WIND-TUNNEL STUDY OF YORKTOWN TOWER II, HOUSTON

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CSU Project 2-27620

July 1981

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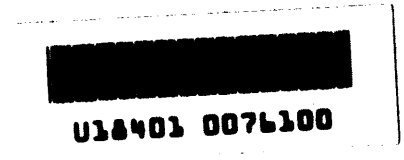
CER81-82JAP-JEC6



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LIST OF SYMBOLS

Symbol	Definition
U	Local mean velocity
D	Characteristic dimension (building height, width, etc.)
ν, ρ	Kinematic viscosity and density of approach flow
$\frac{UD}{\nu}$	Reynolds number
E	Mean voltage
A, B, n	Constants
U_{rms}	Root-mean-square of fluctuating velocity
E_{rms}	Root-mean-square of fluctuating voltage
U_∞	Reference mean velocity outside the boundary layer
X, Y	Horizontal coordinates
Z	Height above surface
δ	Height of boundary layer
T_u	Turbulence intensity $\frac{U_{rms}}{U_\infty}$ or $\frac{U_{rms}}{U}$
$C_{p_{mean}}$	Mean pressure coefficient, $\frac{(p-p_\infty)_{mean}}{0.5\ \rho\ U_\infty^2}$
$C_{p_{rms}}$	Root-mean-square pressure coefficient, $\frac{\left((p-p_\infty)-(p-p_\infty)_{mean}\right)_{rms}}{0.5\ \rho\ U_\infty^2}$
$C_{p_{max}}$	Peak maximum pressure coefficient, $\frac{(p-p_\infty)_{max}}{0.5\ \rho\ U_\infty^2}$
$C_{p_{min}}$	Peak minimum pressure coefficient, $\frac{(p-p_\infty)_{min}}{0.5\ \rho\ U_\infty^2}$
$(\ )_{min}$	Minimum value during data record
$(\ )_{max}$	Maximum value during data record

Symbol	Definition
p	Fluctuating pressure at a pressure tap on the structure
p_∞	Static pressure in the wind tunnel above the model
F_x, F_y	Forces in X, Y direction
A_R	Reference Area
CF_X	Force coefficient, X direction, $\dfrac{F_x}{A_R \; 0.5\rho \; U_\infty^2}$
CF_Y	Force coefficient, Y direction, $\dfrac{F_y}{A_R \; 0.5\rho \; U_\infty^2}$

1. INTRODUCTION

1.1 General

A significant characteristic of modern building design is lighter cladding and more flexible frames. These features produce an increased vulnerability of glass and cladding to wind damage and result in larger deflections of the building frame. In addition, increased use of pedestrian plazas at the base of the buildings has brought about a need to consider the effects of wind and gustiness in the design of these areas.

The building geometry itself may increase or decrease wind loading on the structure. Wind forces may be modified by nearby structures which can produce beneficial shielding or adverse increases in loading. Overestimating loads results in uneconomical design; underestimating may result in cladding or window failures. Tall structures have historically produced unpleasant wind and turbulence conditions at their bases. The intensity and frequency of objectionable winds in pedestrian areas is influenced both by the structure shape and by the shape and position of adjacent structures.

Techniques have been developed for wind tunnel modeling of proposed structures which allow the prediction of wind pressures on cladding and windows, overall structural loading, and also wind velocities and gusts in pedestrian areas adjacent to the building. Information on sidewalk-level gustiness allows plaza areas to be protected by design changes before the structure is constructed. Accurate knowledge of the intensity and distribution of the pressures on the structure permits adequate but economical selection of cladding strength to meet selected maximum design winds and overall wind loads for the design of the frame for flexural control.

Modeling of the aerodynamic loading on a structure requires special consideration of flow conditions in order to guarantee similitude between model and prototype. A detailed discussion of the similarity requirements and their wind-tunnel implementation can be found in references (1), (2), and (3). In general, the requirements are that the model and prototype be geometrically similar, that the approach mean velocity at the building site have a vertical profile shape similar to the full-scale flow, that the turbulence characteristics of the flows be similar, and that the Reynolds number for the model and prototype be equal.

These criteria are satisfied by constructing a scale model of the structure and its surroundings and performing the wind tests in a wind tunnel specifically designed to model atmospheric boundary-layer flows. Reynolds number similarity requires that the quantity UD/ν be similar for model and prototype. Since ν, the kinematic viscosity of air, is identical for both, Reynolds numbers cannot be made precisely equal with reasonable wind velocities. To accomplish this the air velocity in the wind tunnel would have to be as large as the model scale factor times the prototype wind velocity, a velocity which would introduce unacceptable compressibility effects. However, for sufficiently high Reynolds numbers ($>2\times10^4$) the pressure coefficient at any location on the structure will be essentially constant for a large range of Reynolds numbers. Typical values encountered are 10^7-10^8 for the full-scale and 10^5-10^6 for the wind-tunnel model. In this range acceptable flow similarity is achieved without precise Reynolds number equality.

1.2 The Wind-Tunnel Test

The wind-engineering study is performed on a building or building group modeled at scales ranging from 1:150 to 1:400. The building model

is constructed of clear plastic fastened together with screws. The structure is modeled in detail to provide accurate flow patterns in the wind passing over the building surfaces. The building under test is often located in a surrounding where nearby buildings or terrain may provide beneficial shielding or adverse wind loading. To achieve similarity in wind effects the area surrounding the test building is also modeled. A flow visualization study is first made (smoke is used to make the air currents visible) to define overall flow patterns and identify regions where local flow features might cause difficulties in building curtain-wall design or produce pedestrian discomfort.

The test model, equipped with pressure taps (200 to 600 or more), is exposed to an appropriately modeled atmospheric wind in the wind tunnel and the fluctuating pressure at each tap measured electronically. The model, and the modeled area, are rotated 10 or 15 degrees and another set of data recorded for each pressure tap. Normally, 24 or 36 sets of data (360 degrees of turning) are taken; however, when flow visualization or recorded data indicate high pressure regions of small azimuthal extent, data is obtained in smaller azimuthal steps.

Data are recorded, analyzed and processed by an on-line computerized data-acquisition system. Pressure coefficients of several types are calculated by the computer for each reading on each piezometer tap and are printed in tabular form as computer readout. Using wind data applicable to the building site, representative wind velocities are selected for combination with measured pressures on the building model. Integration of test data with wind data results in prediction of peak local wind pressures for design of glass or cladding and may include overall forces and moments on the structure (by floor if desired) for design of

the structural frame. Pressure contours are drawn on the developed building surfaces showing the intensity and distribution of peak wind loads on the building. These results may be used to divide the building into zones where lighter or heavier cladding or glass may be desirable.

Based on the visualization (smoke) tests and on a knowledge of heavy pedestrian use areas, a dozen or more locations may be chosen at the base of the building where wind velocities can be measured to determine the relative comfort or discomfort of pedestrians in plaza areas, near building entrances, near building corners, or on sidewalks. Usually a reference pedestrian position is also tested to determine whether the wind environment in the building area is better or worse than the environment a block or so away in an undisturbed area.

The following pages discuss in greater detail the procedures followed and the equipment and data collecting and processing methods used. In addition, the data presentation format is explained and the implications of the data are discussed.

2. EXPERIMENTAL CONFIGURATION

2.1 Wind Tunnel

Wind-engineering studies are performed in the Fluid Dynamics and Diffusion Laboratory at Colorado State University (Figure 1). Three large wind tunnels are available for wind loading studies depending on the detailed requirements of the study. The wind tunnel used for this investigation is shown in Figure 2. All tunnels have a flexible roof adjustable in height to maintain a zero pressure gradient along the test section. The mean velocity can be adjusted continuously in each tunnel to the maximum velocity available.

2.2 Model

In order to obtain an accurate assessment of local pressures using piezometer taps, models are constructed to the largest scale that does not produce significant blockage in the wind-tunnel test section. The models are constructed of 1/2 in. thick Lucite plastic and fastened together with metal screws. Significant variations in the building surface, such as mullions, are machined into the plastic surface. Piezometer taps (1/16 in. diameter) are drilled normal to the exterior vertical surfaces in rows at several or more elevations between the bottom and top of the building. Similarly, taps are placed in the roof and on any sloping, protruding, or otherwise distinctive features of the building that might need investigation.

Pressure tap locations are chosen so that the entire surface of the building can be investigated for pressure loading and at the same time permit critical examination of areas where experience has shown that maximum wind effects may be expected to occur. Locations of the pressure taps for this study are shown in Figure 3. Dimensions are

given both for full-scale building (in ft) and for model (in in.). The pressure tap numbers are shown adjacent to the taps.

The pressure tests are sometimes made in two stages. In the first stage measurements are made on the initial distribution of pressure taps. If it becomes apparent from the data that the loading on the building is being influenced by some unsuspected geometry of the building or adjacent structures, additional pressure taps are installed in the critical areas. The locations of the taps are selected so that the maximum loading can be detected and the area over which this loading is acting can be defined. Any added taps are also shown in Figure 3.

A circular area 750 to 2000 ft in radius depending on model scale and characteristics of the surrounding buildings and terrain is modeled in detail. Structures within the modeled region are made from styrofoam and cut to the individual building geometries. They are mounted on the turntable in their proper locations. Significant terrain features are included as needed. The model is mounted on a turntable (Figure 2) near the downwind end of the test section. Any buildings or terrain features which do not fit on the turntable are placed on removable pieces which are placed upwind of the turntable for appropriate wind directions. A plan view of the building and its surroundings is shown in Figure 4. The turntable is calibrated to indicate azimuthal orientation to 0.1 degree.

The region upstream from the modeled area is covered with a randomized roughness constructed using various sized cubes placed on the floor of the wind tunnel. Different roughness sizes may be used for different wind directions. Spires are installed at the test-section entrance to provide a thicker boundary layer than would otherwise be

available. The thicker boundary layer permits a somewhat larger scale model than would otherwise be possible. The spires are approximately triangularly shaped pieces of 1/2 in. thick plywood 6 in. wide at the base and 1 in. wide at the top, extending from the floor to the top of the test section. They are placed so that the broad side intercepts the flow. A barrier approximately 8 in. high is placed on the test-section floor downstream of the spires to aid in development of the boundary-layer flow.

The distribution of the roughness cubes and the spires in the roughened area was designed to provide a boundary-layer thickness of approximately 4 ft, a velocity profile power-law exponent similar to that expected to occur in the region approaching the modeled area for each wind direction (a number of wind directions may have the same approach roughness). A photograph of the completed model in the wind tunnel is shown in Figure 5. The wind-tunnel ceiling is adjusted after placement of the model to obtain a zero pressure gradient along the test section.

3. INSTRUMENTATION AND DATA ACQUISITION

3.1 Flow Visualization

Making the air flow visible in the vicinity of the model is helpful (a) in understanding and interpreting mean and fluctuating pressures, (b) in defining zones of separated flow and reattachment and zones of vortex formation where pressure coefficients may be expected to be high and (c) in indicating areas where pedestrian discomfort may be a problem. Titanium tetrachloride smoke is released from sources on and near the model to make the flow lines visible to the eye and to make it possible to obtain motion picture records of the tests. Conclusions obtained from these smoke studies are discussed in Sections 4.1 and 5.1.

3.2 Pressures

Mean and fluctuating pressures are measured at each of the pressure taps on the model structure. Data are obtained for 24 or 36 wind directions, rotating the entire model assembly in a complete circle. Seventy-six pieces of 1/16 in. I.D. plastic tubing are used to connect 76 pressure ports at a time to an 80 tap pressure switch mounted inside the model. The switch was designed and fabricated in the Fluid Dynamics and Diffusion Laboratory to minimize the attenuation of pressure fluctuations across the switch. Each of the 76 measurement ports is directed in turn by the switch to one of four pressure transducers mounted close to the switch. The four pressure input taps not used for transmitting building surface pressures are connected to a common tube leading outside the wind tunnel. This arrangement provides both a means of performing in-place calibration of the transducers and, by connecting this tube to a pitot tube mounted inside the wind tunnel, a means of automatically monitoring the tunnel speed. The switch is operated by means of a shaft projecting through

the floor of the wind tunnel. A computer-controlled stepping motor steps the switch into each of the 20 required positions. The computer keeps track of switch position but a digital readout of position is provided at the wind tunnel.

The pressure transducers used are setra differential transducers (Model 237) with a 0.10 psid range. Reference pressures are obtained by connecting the reference sides of the four transducers, using plastic tubing, to the static side of a pitot-static tube mounted in the wind tunnel free stream above the model building. In this way the transducer measures the instantaneous difference between the local pressures on the surface of the building and the static pressure in the free stream above the model.

Output from the pressure transducers is fed to an on-line data acquisition system consisting of a Hewlett-Packard 21 MX computer, disk unit, card reader, printer, Digi-Data digital tape drive and a Preston Scientific analog-to-digital converter. The data are processed immediately into pressure coefficient form as described in Section 4.3 and stored for printout or further analysis.

All four transducers are recorded simultaneously for 16 seconds at a 250 sample per second rate. The results of an experiment to determine the length of record required to obtain stable mean and rms (root-mean-square) pressures and to determine the overall accuracy of the pressure data acquisition system is shown in Figure 6. A typical pressure port record was integrated for a number of different time periods to obtain the data shown. Examination of a large number of pressure taps showed that the overall accuracy for a 16 second period is, in pressure coefficient form, 0.03 for mean pressures, 0.1 for peak pressures, and 0.01 for rms pressures. Pressure coefficients are defined in Section 4.3.

3.3 Velocity

Mean velocity and turbulence intensity profiles are measured upstream of the model to determine that an approach boundary-layer flow appropriate to the site has been established. Tests are made at one wind velocity in the tunnel. This velocity is well above that required to produce Reynolds number similarity between the model and the prototype as discussed in Section 1.1.

In addition, mean velocity and turbulence intensity measurements are made 5 to 7 ft (prototype) above the surface at a dozen or more locations on and near the building for 16 wind directions. The measurement locations are shown on Figure 4. The surface measurements are indicative of the wind environment to which a pedestrian at the measurement location would be subjected. The locations are chosen to determine the degree of pedestrian comfort or discomfort at the building corners where relatively severe conditions frequently are found, near building entrances and on adjacent sidewalks where pedestrian traffic is heavy, and in open plaza areas. In most studies a reference pedestrian position, located about a block away, is also tested. These data are helpful in evaluating the degree of pedestrian comfort or discomfort in the proposed plaza area in terms of the undisturbed environment in the immediate vicinity.

Measurements are made with a single hot-wire anemometer mounted with its axis vertical. The instrumentation used is a Thermo Systems constant temperature anemometer (Model 1050) with a 0.001 in. diameter platinum film sensing element 0.020 in. long. Output is directed to the on-line data acquisition system for analysis.

Calibration of the hot-wire anemometer is performed by comparing output with the pitot-static tube in the wind tunnel. The calibration

data are fit to a variable exponent King's Law relationship of the form

$$E^2 = A + BU^n$$

where E is the hot-wire output voltage, U the velocity and A, B, and n are coefficients selected to fit the data. The above relationship was used to determine the mean velocity at measurement points using the measured mean voltage. The fluctuating velocity in the form U_{rms} (root-mean-square velocity) was obtained from

$$U_{rms} = \frac{2\ E\ E_{rms}}{B\ n\ U^{n-1}}$$

where E_{rms} is the root-mean-square voltage output from the anemometer. For interpretation all turbulence measurements for pedestrian winds were divided by the mean velocity outside the boundary-layer U_∞. Turbulence intensity in velocity profile measurements used the local mean velocity.

4. RESULTS

4.1 Flow Visualization

A film is included as part of this report showing the characteristics of flow about the structure using smoke to make the flow visible. A listing of the contents of the film is shown in Table 1. Several features can be noted from the visualization. As with all large structures, wind approaching the building is deflected down to the plaza level, up over the structure and around the sides. A description of the smoke test results emphasizing flow patterns of concern relative to possible high-wind load areas and pedestrian comfort is given in Section 5.1.

4.2 Velocity

Velocity and turbulence profiles are shown in Figure 7. Profiles were taken upstream from the model which are characteristic of the boundary layer approaching the model and sometimes at the building site with building removed. The boundary-layer thickness, δ, is shown in Figure 7. The corresponding prototype value of δ for this study is also shown in the figure. This value was established as a reasonable height for this study. The mean velocity profile approaching the modeled area has the form

$$\frac{U}{U_\infty} = \left(\frac{z}{\delta}\right)^n .$$

The exponent n for the approach flow established for this study is shown in Figure 7.

Profiles of longitudinal turbulence intensity in the flow approaching the modeled area are shown in Figure 7. The turbulence intensities are appropriate for the approach mean velocity profile selected. For the velocity profiles, turbulence intensity is defined

as the root-mean-square about the mean of the longitudinal velocity fluctuations divided by the local mean velocity U,

$$Tu = \frac{U_{rms}}{U} .$$

Velocity data obtained at each of the pedestrian measurement locations shown in Figure 4 are listed in Table 2 as mean velocity U/U_∞, turbulence intensity U_{rms}/U_∞, and largest effective gust

$$U_{pk} = \frac{U + 3U_{rms}}{U_\infty}$$

These data are plotted in polar form in Figure 8. Measurements were taken 5 to 7 ft above the ground surface. A site map is superimposed on the polar plots to aid in visualization of the effects of the nearby structures on the velocity and turbulence magnitudes. An analysis of these wind data is given in Section 5.2.

To enable a quantitative assessment of the wind environment, the wind-tunnel data were combined with wind frequency and direction information obtained at the local airport. Table 3 shows wind frequency by direction and magnitude obtained from summaries published by the National Weather Service. These data, usually obtained at an elevation of about 30-40 ft, were converted to velocities at the reference velocity height for the wind-tunnel measurements and combined with the wind-tunnel data to obtain cumulative probability distributions (percent time a given velocity is exceeded) for wind velocity at each measuring location. The percentage times were summed by wind direction to obtain a percent time exceeded at each measuring position independent of wind direction (but accounting for the fact that the wind blows from different directions with varying frequency). These results are plotted in Figure 9.

Interpretation of Figure 9 is aided by a description of the effects of wind of various magnitudes on people. The earliest quantitative description of wind effects was established by Sir Francis Beaufort in 1806 for use at sea and is still in use today. Several recent investigators have added to the knowledge of wind effects on pedestrians. These investigations along with suggested criteria for acceptance have been summarized by Penwarden and Wise (4) and Melbourne (5). The Beaufort scale (from ref. 4), based on mean velocity only, is reproduced as Table 4 including qualitative descriptions of wind effects. Table 4 suggests that mean wind speeds below 12 mph are of minor concern and that mean speeds above 24 mph are definitely inconvenient. Quantitative criteria for acceptance from reference 5 are superimposed as dashed lines on Figure 9. The peak gust curves shown in Figure 9 are the percent of time during which a short gust of the stated magnitude could occur (say about one of these gusts per hour). Implications of the data plotted in Figure 9 are presented in Section 5.2

Because some pedestrian wind measuring positions are purposely chosen at sites where the smoke tests showed large velocities of small spacial extent, the general wind environment about the structure may be less severe than one might infer from a strict analysis of Table 2 and Figure 9.

4.3 Pressures

For each of the pressure taps examined at each wind direction, the data record is analyzed to obtain four separate pressure coefficients. The first is the mean pressure coefficient

$$C_{p_{mean}} = \frac{(p-p_\infty)_{mean}}{0.5\ \rho\ U_\infty^2}$$

where the symbols are as defined in the List of Symbols. It represents the mean of the instantaneous pressure difference between the building pressure tap and the static pressure in the wind tunnel above the building model, nondimensionalized by the dynamic pressure

$$0.5\ \rho\ U_\infty^2$$

at the reference velocity position. This relationship produces a dimensionless coefficient which indicates that the mean pressure difference between building and ambient wind at a given point on the structure is some fraction less or some fraction greater than the undisturbed wind dynamic pressure near the upper edge of the boundary layer. Using the measured coefficient, prototype mean pressure values for any wind velocity may be calculated.

The magnitude of the fluctuating pressure is obtained by the rms pressure coefficient

$$C_{p_{rms}} = \frac{\left((p-p_\infty) - (p-p_\infty)_{mean}\right)_{rms}}{0.5\ \rho\ U_\infty^2}$$

in which the numerator is the root-mean-square of the instantaneous pressure difference about the mean .

If the pressure fluctuations followed a Gaussian probability distribution, no additional data would be required to predict the

frequency with which any given pressure level would be observed. However, the pressure fluctuations do not, in general, follow a Gaussian probability distribution so that additional information is required to show the extreme values of pressure expected. The peak maximum and peak minimum pressure coefficients are used to determine these values:

$$C_{p_{max}} = \frac{(p-p_\infty)_{max}}{0.5\ \rho\ U_\infty^2}$$

$$C_{p_{min}} = \frac{(p-p_\infty)_{min}}{0.5\ \rho\ U_\infty^2}$$

The values of $p-p_\infty$ which were digitized at 250 samples per second for 16 seconds, representing about one hour of time in the full-scale, are examined individually by the computer to obtain the most positive and most negative values during the 16-second period. These are converted to $C_{p_{max}}$ and $C_{p_{min}}$ by nondimensionalizing with the free stream dynamic pressure.

The four pressure coefficients are calculated by the on-line data acquisition system computer and tabulated along with the approach wind azimuth in degrees from true north. The list of coefficients is included as Appendix A. The pressure tap code numbers used in the appendix are explained in Figure 3.

To determine the largest peak loads acting at any point on the structure for cladding design purposes, the pressure coefficients for all wind directions were searched to obtain, at each pressure tap, the largest absolute value of peak pressure coefficient. Table 6 provides these pressure coefficients and associated wind directions. Included in Section 5.3 is an analysis of the coefficients of Table 6 including the maximum values obtained and where they occurred on the building.

The pressure coefficients of Table 6 can be converted to full-scale loads by multiplication by a suitable reference pressure selected for the field site. This reference pressure is represented in the equations for pressure coefficients by the $0.5\ \rho\ U_\infty^2$ denominator. This value is the dynamic pressure associated with an hourly mean wind at the reference velocity measurement position at the edge of the boundary layer. In general, the method of arriving at a design reference pressure for a particular site involves selection of a design wind velocity, translation of the velocity to an hourly mean wind at the reference velocity location and conversion to a reference pressure. Selection of the design velocity can be made from statistical analysis of extreme wind data or selected from wind maps contained in the proposed wind loading code ANSI A58.1 of the American National Standards Institute (6). The calculation of reference pressure for this study is shown in Table 5. The factor used in Table 5 to reduce gust winds to hourly mean winds is given in reference (7).

The reference pressure associated with the design hourly mean velocity at the reference velocity location can be used directly with the peak-pressure coefficients to obtain peak local design wind loads for cladding design. Local, instantaneous peak loads on the full-scale building suitable for cladding design were computed by multiplying the reference pressure of Table 5 by the peak coefficients of Table 6 and are listed as peak pressures in that table. The maximum psf load given at each tap location is the absolute value of the maximum value found in the tests, irrespective of its algebraic sign. For ease in visualizing the loads on the structure, contours of equal peak pressures for cladding load shown in Table 6 have been plotted on developed elevation

views of the structure, Figure 10. For control of water infiltration from outside to inside, the largest positive (inward-acting) pressure at each tap location is tabulated in Table 6.

For glass design pressures, a glass load factor is used to account for the different duration between measured peak pressures and the one minute loading commonly used in glass design charts. The design pressure used for glass is normally less than the peak pressures used for cladding design because of the static fatigue property of glass which can withstand higher pressures for short duration loads than for long duration loads. Recent research (8) indicates that the period of application of the peak pressures reported herein is about 5-10 seconds or less. If a glass design is based on these peak-pressure values, then a glass strength associated with this duration load should be used. Because glass design charts are normally based on some alternate load duration--usually one minute--then some reduction in peak loads should be made. An estimate of a load reduction factor can be obtained from an empirical relation of glass strength as a function of load duration. Current glass selection charts showing glass strength as a function of load duration (9) and older references (10) indicate the following load reduction factors:

	ref 9	ref 10
annealed float	0.80	0.81
heat strengthened	0.94	
tempered	0.97	0.98

Loadings appropriate for glass design can be computed by multiplying the peak-pressure loads of Table 6 by these load factors.

4.4 Forces and Moments

Force coefficients in the horizontal X and Y directions and moment coefficients about the X, Y, and Z axes with the origin at ground level at the base of the building with Z axis vertical may be computed for all wind directions tested by integration of mean pressures on the building. Overall forces and moments acting on the full-scale building due to wind loading which are useful in designing the structural framing of the proposed building may be obtained from use of these coefficients.

Force coefficients were computed for each floor for each wind direction using the equations shown below.

$$CF_X = \frac{F_X}{A_R \; 0.5 \; \rho \; U_\infty^2} \qquad CF_Y = \frac{F_Y}{A_R \; 0.5 \; \rho \; U_\infty^2}$$

Terms and symbols used in the equations are defined in the List of Symbols and the axes are defined for the building in Figure 3. Force coefficients CF_X and CF_Y were computed for the horizontal forces acting along the X and Y axes using the mean pressure coefficient at each pressure tap. A_R represents a constant reference area for nondimensionalization of the forces and moments.

The total forces acting on the full-scale building for each floor and wind direction were computed by multiplying the above coefficients by the appropriate full-scale reference area, by the reference pressure of Table 5, and by a gust load factor selected for an appropriate wind gust duration. The gust load factor, shown in Table 5, was selected to increase the loads from an hourly mean load to that of a gust whose duration would be sufficient for its effect to be fully felt by the structure. A table of gust load factors for various gust durations is

incorporated in Table 5 so that force and moment data of Table 7 may be adjusted to a different load duration if desired.

The forces obtained at each floor were used to obtain load, shear, and moment diagrams for the building for each wind direction. The shear diagram, in kips, was obtained by algebraic sum of all forces in each coordinate direction acting above the floor of interest. The load diagram, in psf, was obtained by dividing the shear values by their contributing areas (listed in Table 7). The moment diagram, in 1000 ft-kips, was obtained by integration of the shear values so that the moment due to forces acting above the floor level of interest was calculated. The sign of the moment was established by the right-hand rule about an X', Y' axis through the floor of interest. Moments about the Z axis were calculated by considering the displacement of forces in the X and Y directions from the Z axis shown in Figure 3. Load, shear, and moment diagrams are shown in Figure 11 for several wind directions.

5. DISCUSSION

5.1 Flow Visualization

Flow patterns identified with smoke showed that the highest pressures on the Yorktown Tower II would likely occur near corners of the building and on the short faces on the northeast and southwest sides. These pressures would be outward acting (negative) and due to flow separation phenomena at the building corners. Vortex flow patterns, which often lead to high negative pressures, were not in evidence on the structure. The highest pedestrian-level winds appeared to be near the northeast corner of the building for northerly winds. In this case, wind flowed down the north face and around the northeast corner toward the negative pressure in the rear of the building. Most pedestrian areas, including the space between the building and garage and under the pedestrian connector showed relatively high wind speeds.

5.2 Pedestrian Winds

Figure 4 shows the 17 locations selected for investigation of pedestrian wind comfort. Location 1 was selected as a reference location with known adverse wind conditions whose location should be reasonably undisturbed by presence of the Yorktown Tower II building. Table 2 and Figure 8 show that the largest values of mean velocity were measured at locations 3 and 8 with values from 76 to 88 percent of the mean velocity, U_∞, at the boundary layer height. These values were measured for four northerly and northwesterly approach wind directions at location 3 and two directions at location 8. The values measured are relatively large comparing to a largest mean velocity of 71 percent at location 1 and 40 to 45 percent which might be expected in an open-country environment.

The largest values of fluctuating velocity, U_{rms}, were measured at locations 3 and 16 with values of 25 to 27 percent of U_{∞}. The large fluctuating velocities at location 3 were not at the same wind directions for which the largest values of mean velocity were measured. The largest values of U_{rms} at reference location 1 was 17 percent while the value in an open-country environment might be 10 to 12 percent. The largest values of peak gust, represented by the mean plus three rms as discussed in Section 4.2, were measured at locations 3, 8, 10, 16 and 17 with values ranging from 124 to 140 percent of U_{∞}. For comparison, the largest value measured at reference location 1 was 105 percent while in an open-country environment, a value of 75 to 85 percent might be expected.

Velocity data of Table 2 integrated with local wind data shown in Table 3 are shown in Figure 9. Based on the data in this figure, the windiest locations will be reference location 1 and locations 2, 3, 8, and 16. These locations may be considered unacceptably windy for 10 or more percent of the time for mean winds. Locations 8 and 16 may be considered unacceptably windy 30 percent or more of the time for mean winds. These windier locations may be of safety concern for the elderly and less-stable individuals on windier days. At building entrances, near locations 6, 12 and 13, winds will be somewhat less strong, with location 12 uncomfortable for walking 20 to 40 percent of the time for mean winds, location 6 uncomfortable 8 to 10 percent of the time and location 13 comfortable for walking almost all the time. Mean winds controlled the acceptability criteria with wind gusts of somewhat less concern.

The results of the pedestrian wind analysis showed that the pedestrian areas about the base of the Yorktown Tower II building will

be considered unacceptably windy for a large percentage of time near the northeast and southwest corners of the tower. These locations may be of safety concern for the elderly and less-stable individuals on windier days. These areas are windier than the reference location which was selected because of its unfavorable winds. Areas near building entrances will be windy--uncomfortable for walking at times--but not unacceptably so.

5.3 Pressures

Table 6 shows the largest pressure coefficients and corresponding loads measured on the Yorktown Tower II building for each pressure tap location. Data identified as Configuration A in Table 6 and Appendix A represent data obtained at all tap locations for 36 wind directions. Configuration B represents data obtained at 10 selected taps at 2 degree azimuthal increments near azimuths where large pressure peaks were observed in Configuration A to ensure that the largest peaks were obtained. Configuration C represents data obtained at 64 selected taps for selected wind directions with an additional 360-ft building added to the south (see Figures 4, 5). The purpose of Configuration C was to assess the influence of the added building on cladding pressures.

The largest peak pressure coefficient measured on the building was -2.73 obtained at tap 231 on the edge of the northwest face of the tower for an approach wind azimuth of 240 degrees. This largest peak coefficient represents, using the 100-yr recurrence wind reference pressure of Table 5, a peak cladding pressure of 115 psf. Figure 10 shows that most of the area of the building showed peak cladding loads in the 40 to 70 psf range for negative, outward acting, loads. Figure 10 is divided into two separate contour plots--peak negative pressures and peak

positive pressures. The influence of the added structure to the south, Configuration C, was to increase some local peak pressures and decrease others, as shown in Table 6.

Figure 11 shows load, shear and moment diagrams for the tower, plotted from Table 7, for which the X and Y base shears were maxima.

REFERENCES

1. Cermak, J. E., "Laboratory Simulation of the Atmospheric Boundary Layer," AIAA J1., Vol. 9, September 1971.

2. Cermak, J. E., "Applications of Fluid Mechanics to Wind Engineering," A Freeman Scholar Lecture, ASME J1. of Fluids Engineering, Vol. 97, No. 1, March 1975.

3. Cermak, J. E., "Aerodynamics of Buildings," Annual Review of Fluid Mechanics, Vol. 8, 1976, pp. 75-106.

4. Penwarden, A. D., and Wise, A. F. E., "Wind Environment Around Buildings," Building Research Establishment Report, HMSO, 1975.

5. Melbourne, W. H., "Criteria for Environmental Wind Conditions," J1. Industrial Aerodynamics, vol. 3, pp. 241-247, 1978.

6. American National Standards Institute, "American National Standard Building Code Requirements for Minimum Design Loads in Buildings and Other Structures," ANSI Standard A58.1, 1972.

7. Hollister, S. C., "The Engineering Interpretation of Weather Bureau Records for Wind Loading on Structures," Building Science Series 30--Wind Loads on Buildings and Structures, National Bureau of Standards, pp. 151-164, 1970.

8. Peterka, J. A., and Cermak, J. E., "Peak-Pressure Duration in Separated Regions on a Structure," U.S.-Japan Research Seminar on Wind Effects on Structures, Kyoto, Japan, 9-13 September 1974; Report CEP74-75JAP-JEC8, Fluid Mechanics Program, Colroado State University, September 1974.

9. PPG Glass Thickness Recommendations to Meet Architects' Specified 1-Minute Wind Load, Pittsburgh Plate Glass Industries, April 1979.

10. Shand, E. B., "Glass Engineering Handbook," Second Edition, McGraw-Hill, New York, p. 51, 1958.

FIGURES

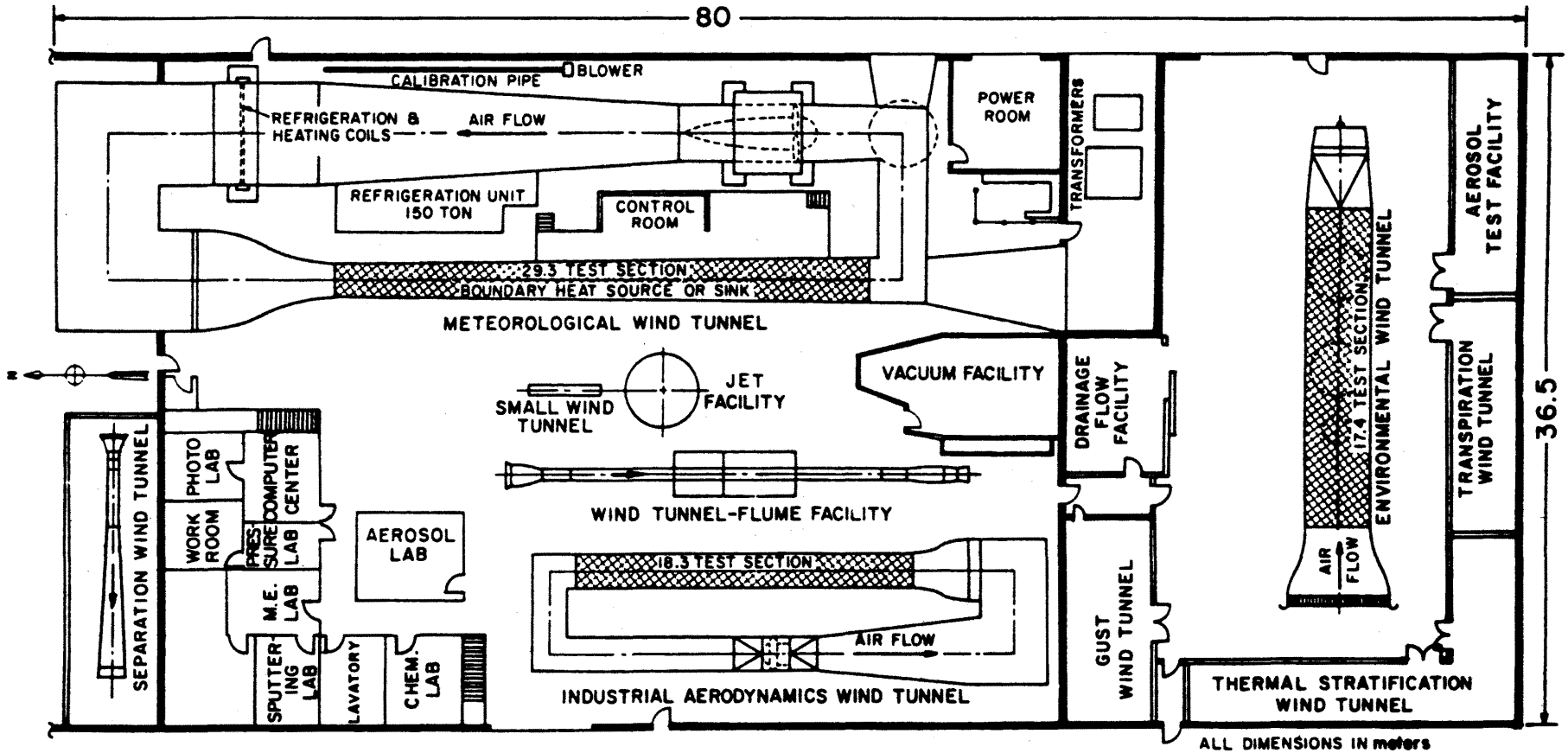
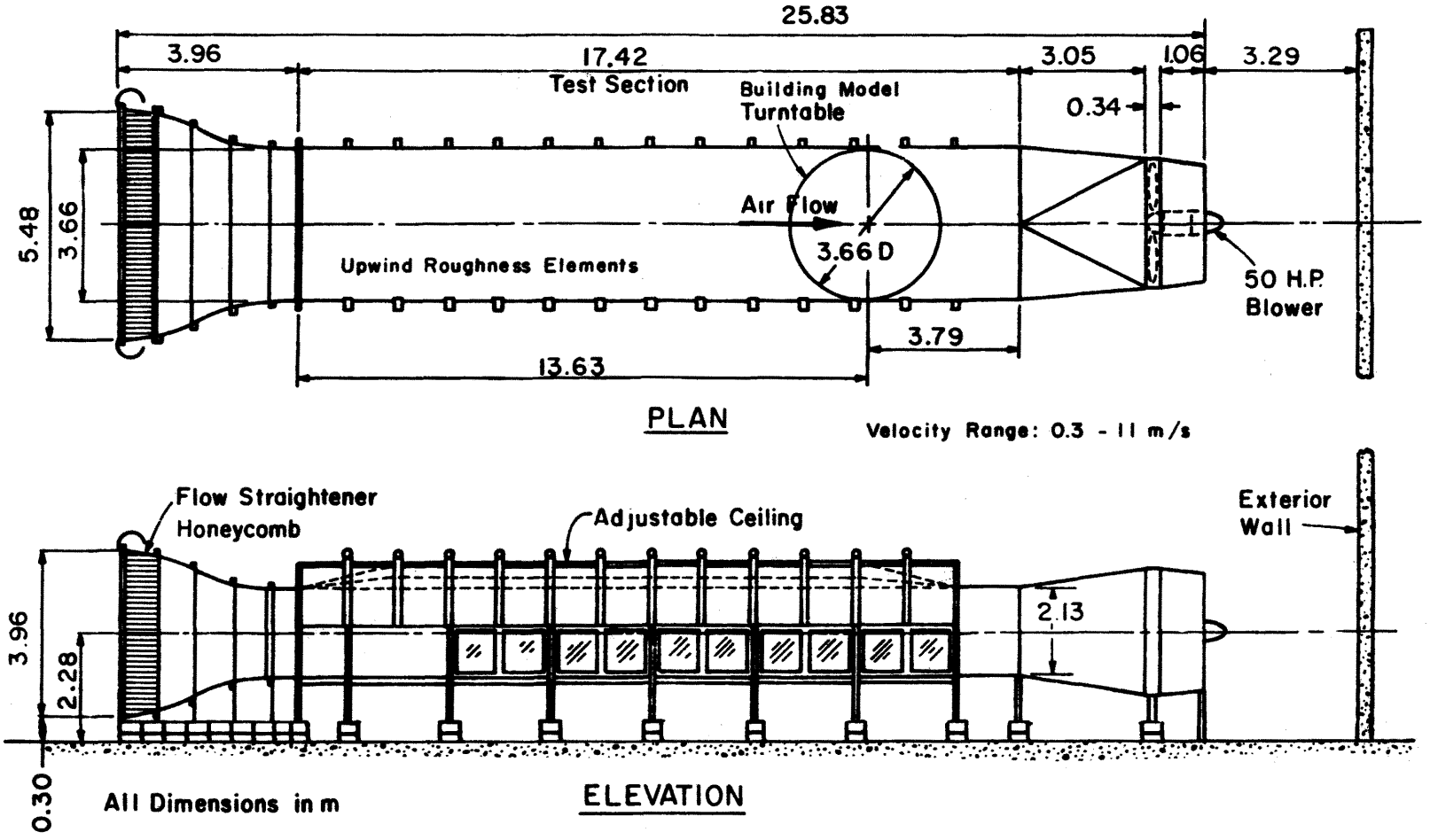
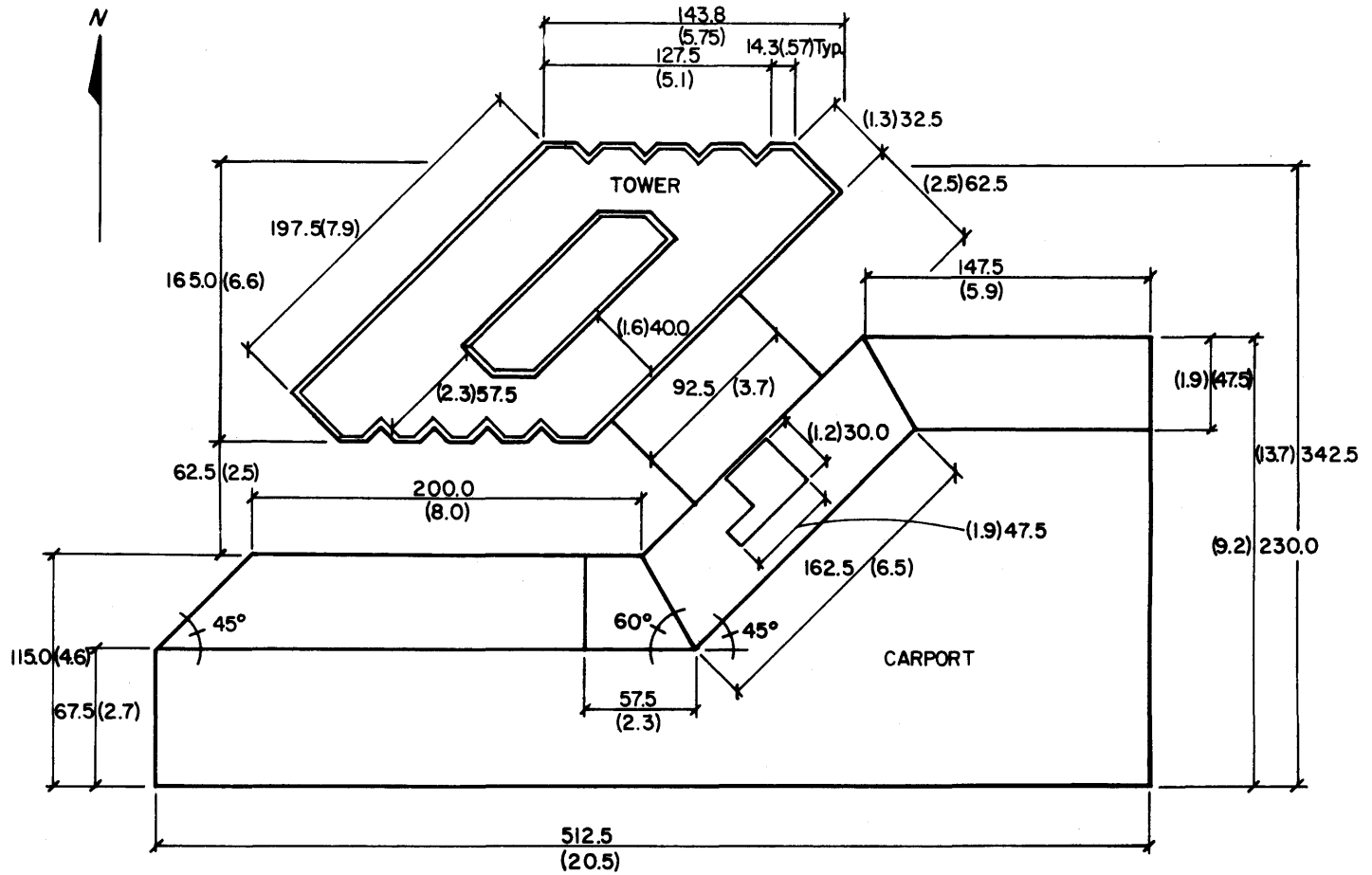


Figure 1. **FLUID DYNAMICS AND DIFFUSION LABORATORY COLORADO STATE UNIVERSITY**



ENVIRONMENTAL WIND TUNNEL

Figure 2 - Wind Tunnel Configuration



YORKTOWN BUILDING
PLAN VIEW
(Structural dimensions)

Total Taps: 344
Scale: 1/300
Dimensions in full scale feet
and model inches.

Figure 3a. Pressure Tap Locations

TOWER PLAN VIEW
(Tap dimensions)

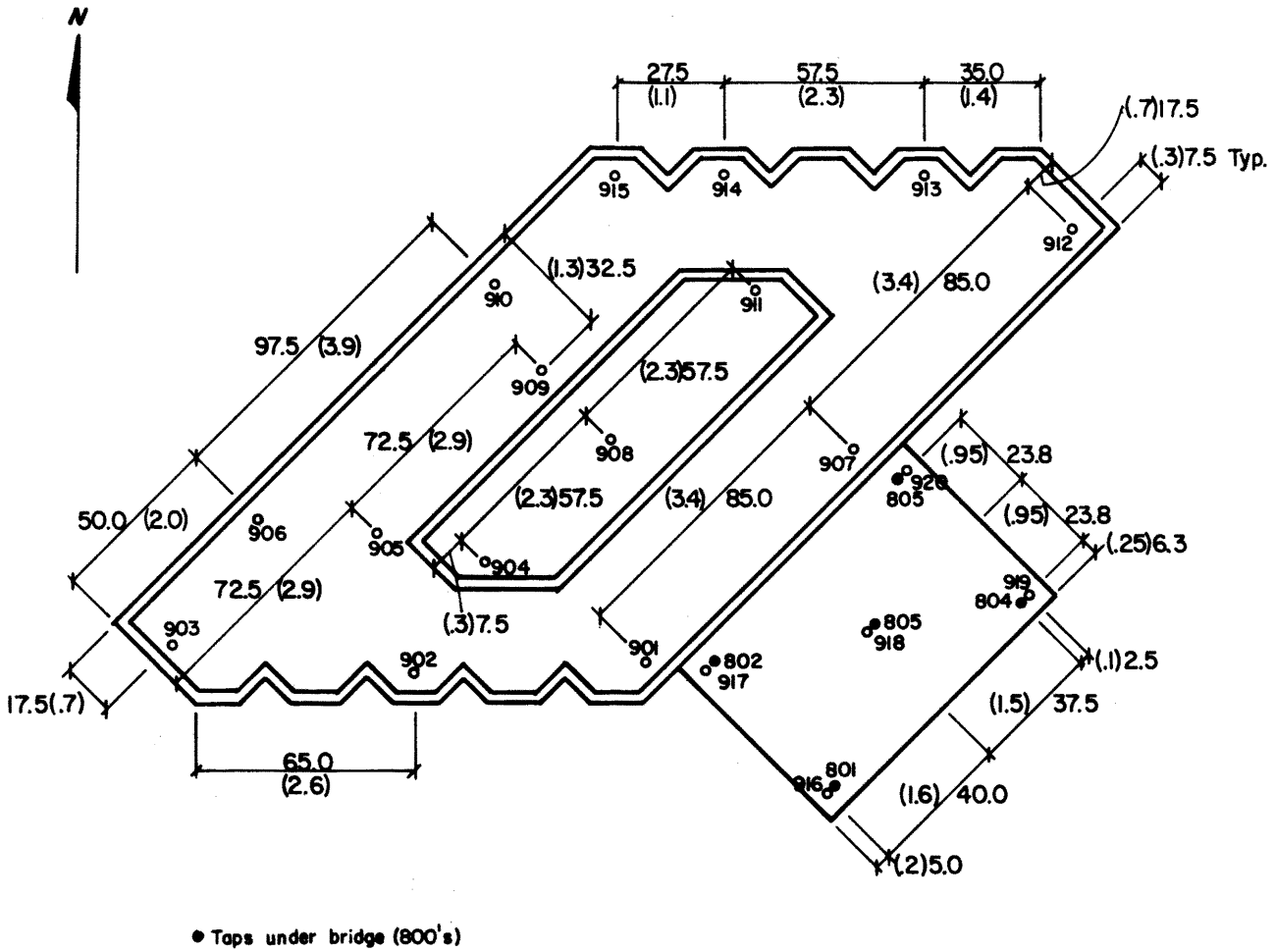


Figure 3b. Pressure Tap Locations

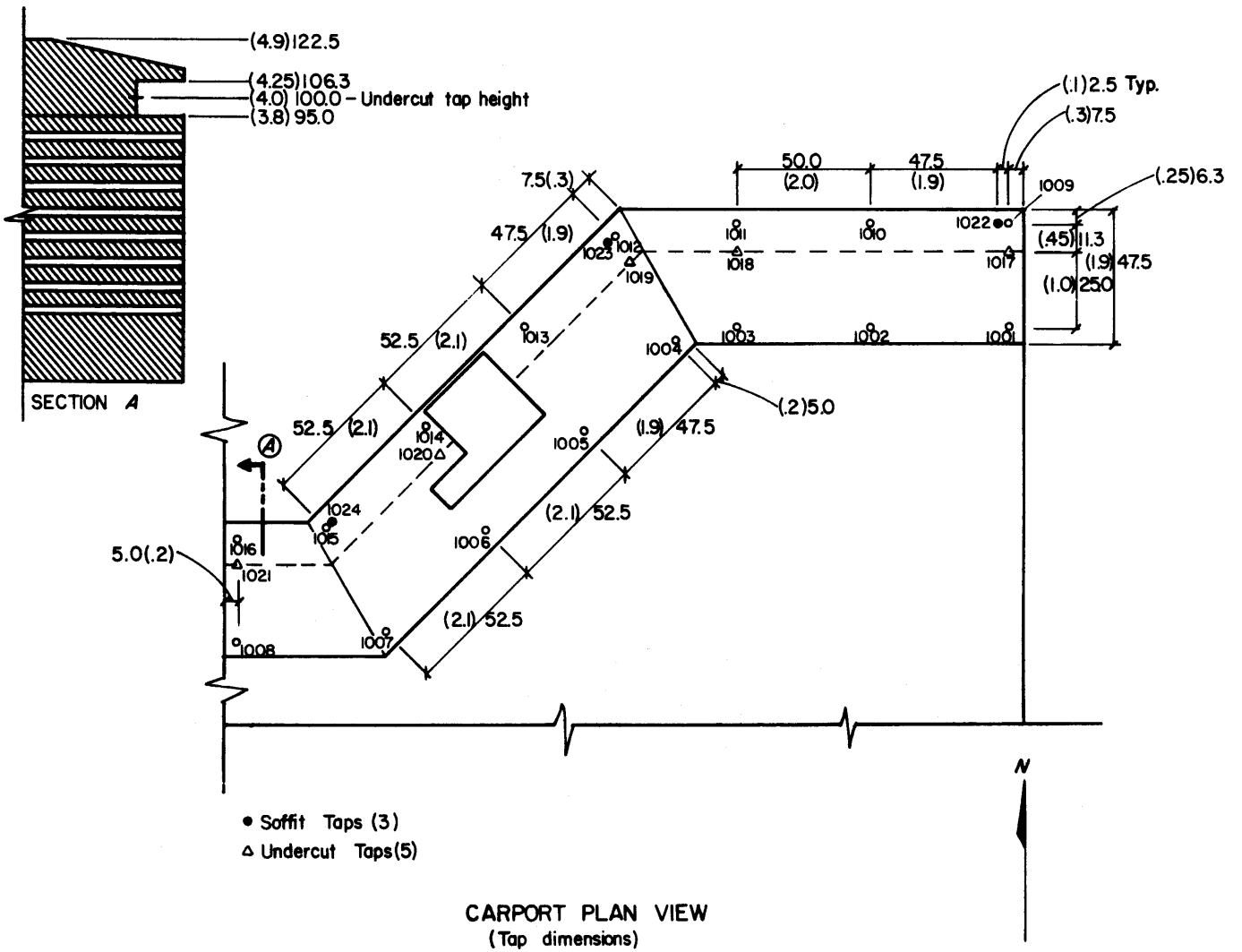
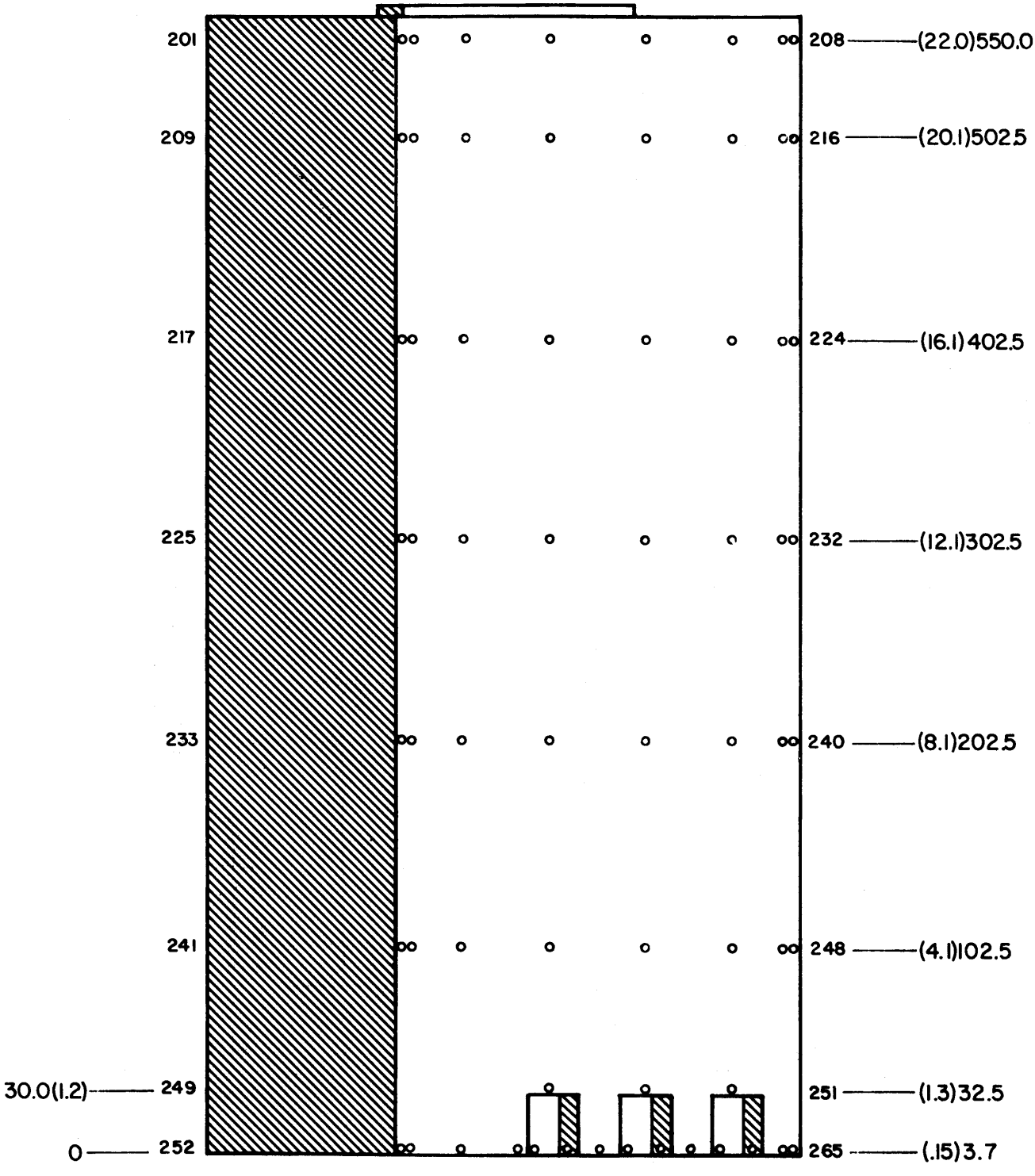
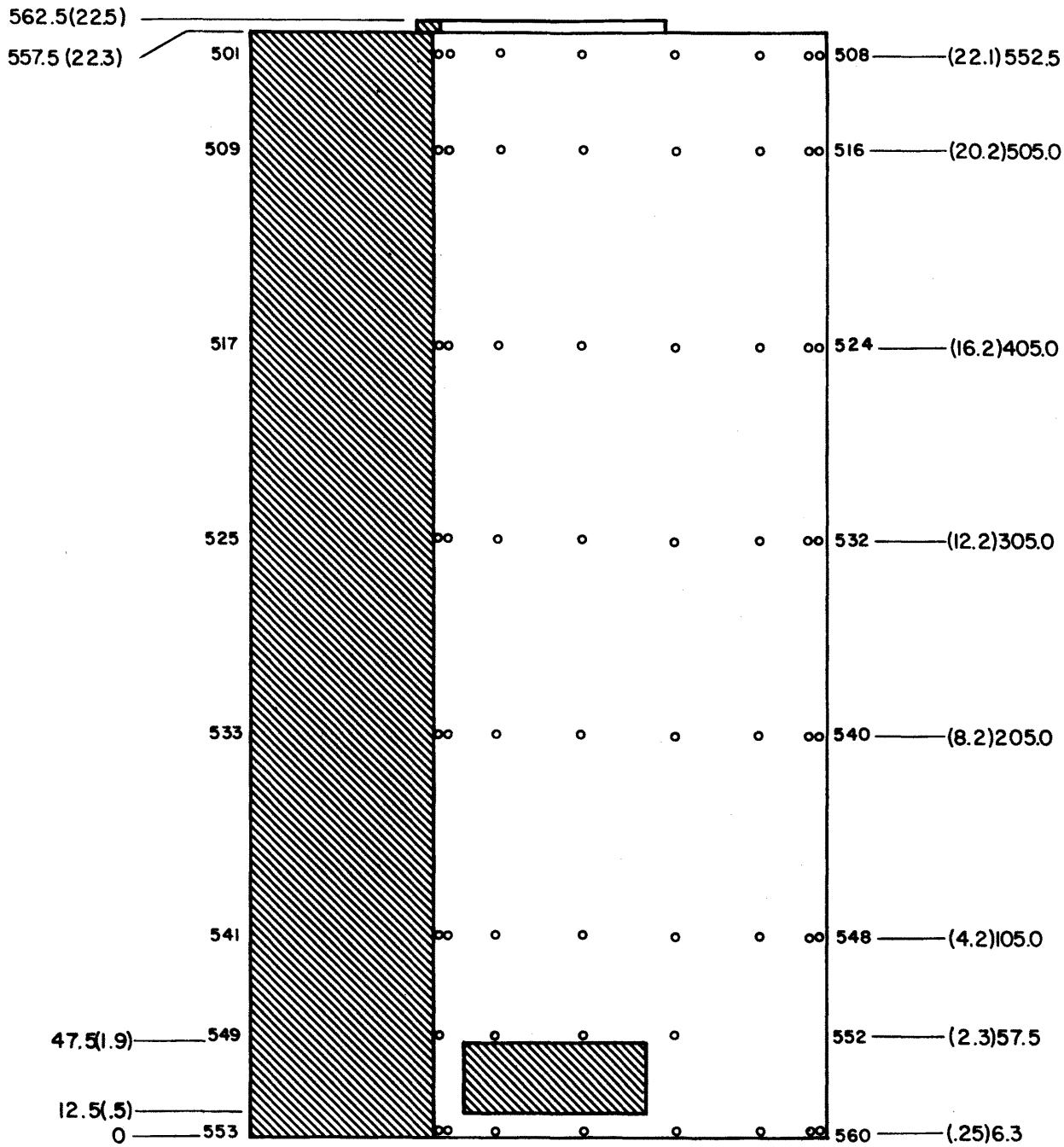


Figure 3c. Pressure Tap Locations



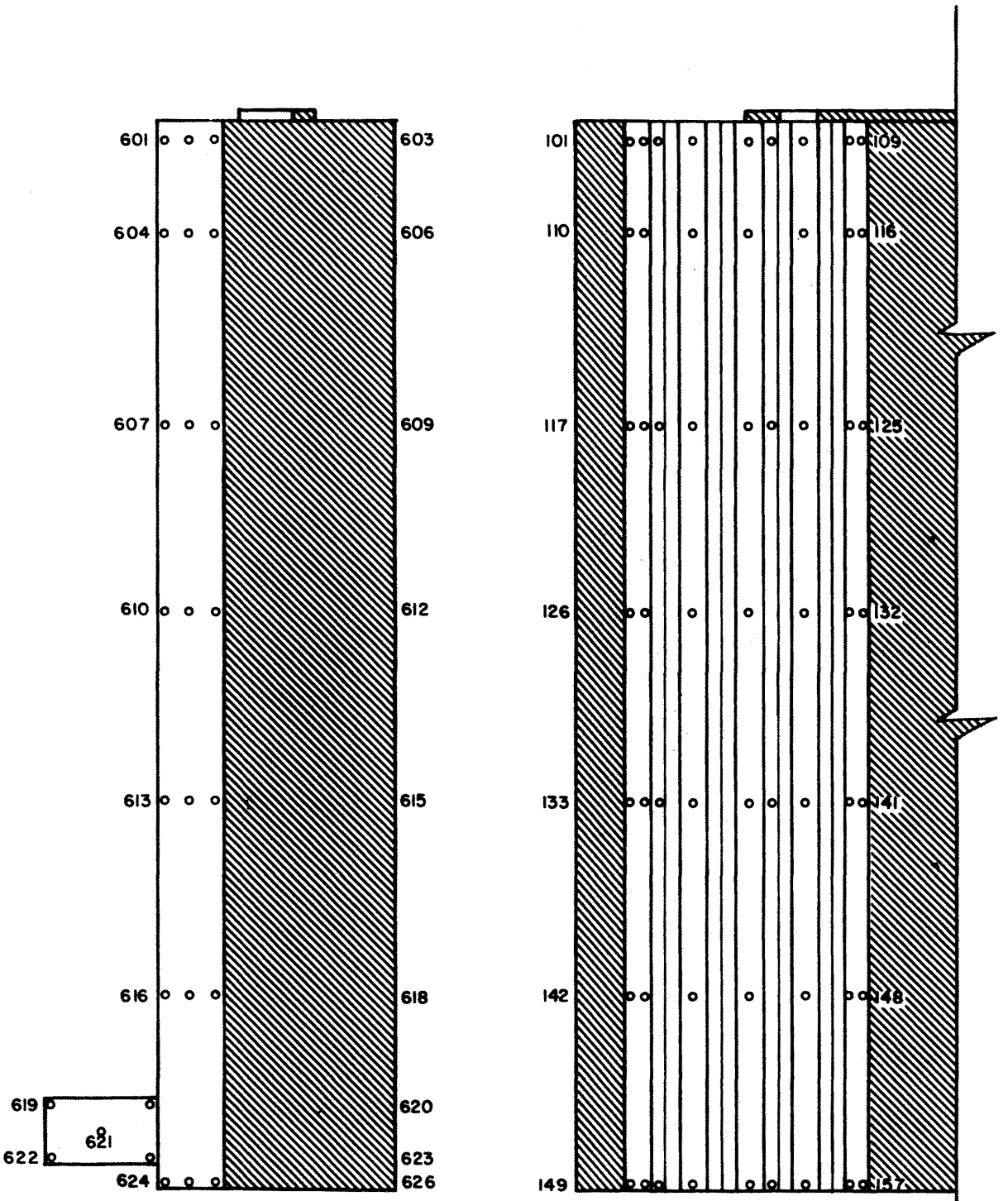
NORTHWEST ELEVATION

Figure 3d. Pressure Tap Locations



SOUTHEAST ELEVATION

Figure 3e. Pressure Tap Locations



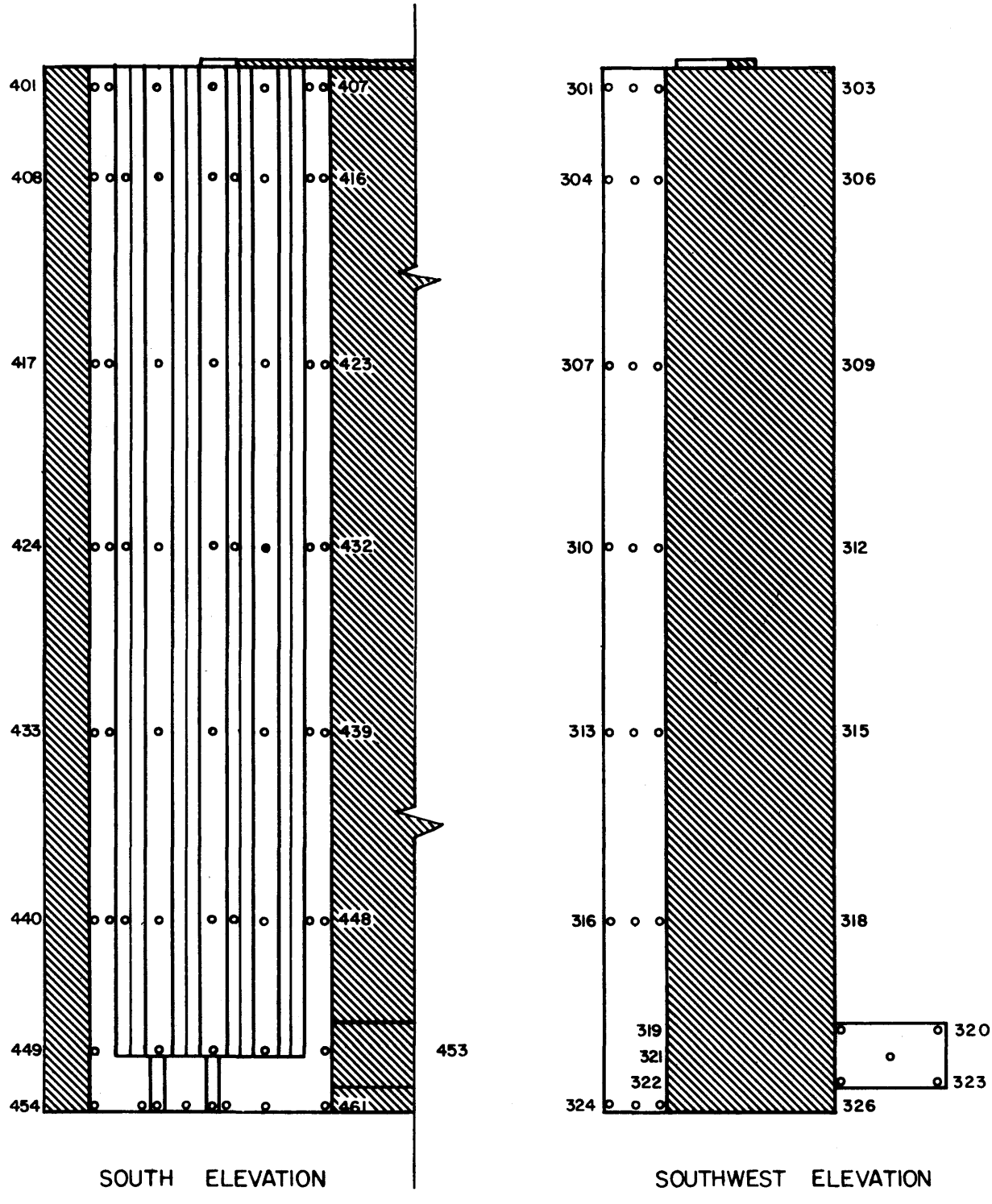
NORTHEAST ELEVATION

Note:
Refer to the Northwest elevation for tap and structural dimensions.

NORTH ELEVATION

Note:
Refer to the Southeast elevation for tap and structural dimensions.

Figure 3f. Pressure Tap Locations



SOUTH ELEVATION

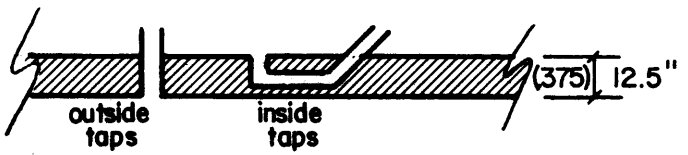
Note:
Refer to the Northwest elevation for tap and structural dimensions.

SOUTHWEST ELEVATION

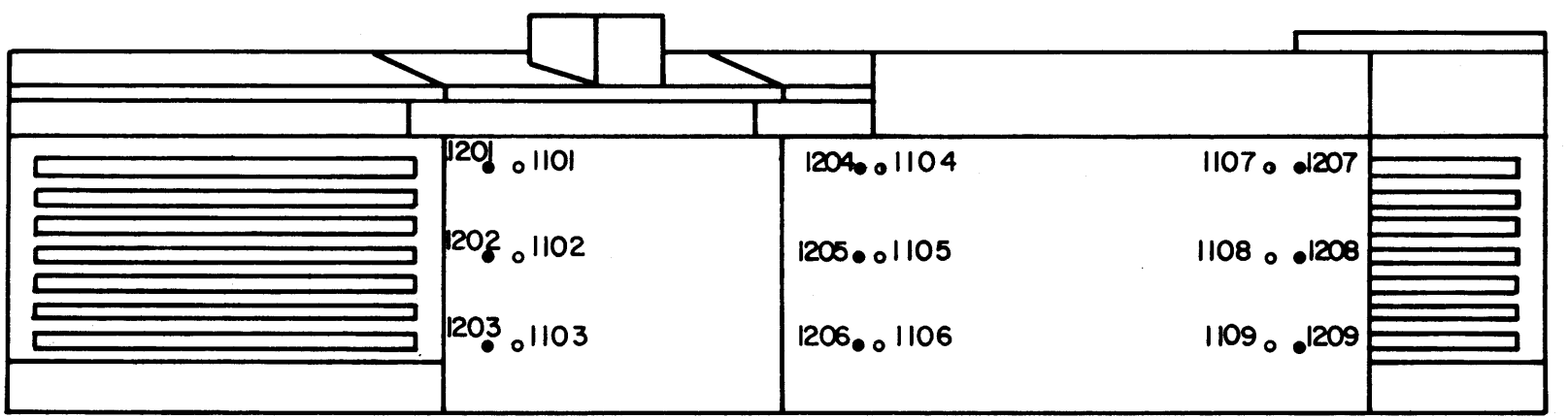
Note:
Refer to the Southeast elevation for tap and structural dimensions.

Figure 3g. Pressure Tap Locations

Cross-sectional view of overlay and tap construction.



o outside taps (1100's)
● inside taps (1200's)



NORTH ELEVATION of GARAGE

Figure 3h. Pressure Tap Locations

COORDINATE SYSTEM for
FORCES and MOMENTS

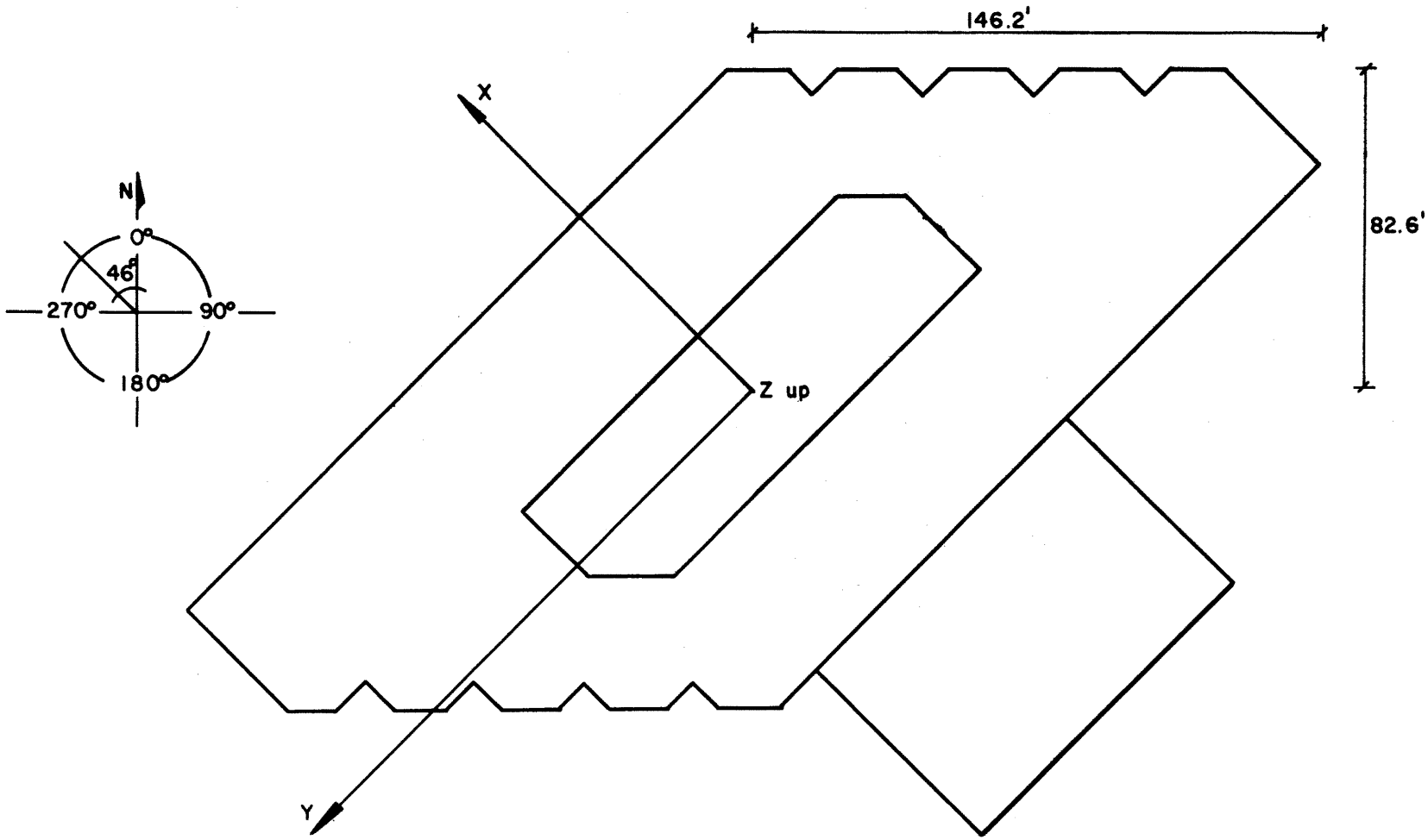


Figure 3i. Force and Moment Coordinate System

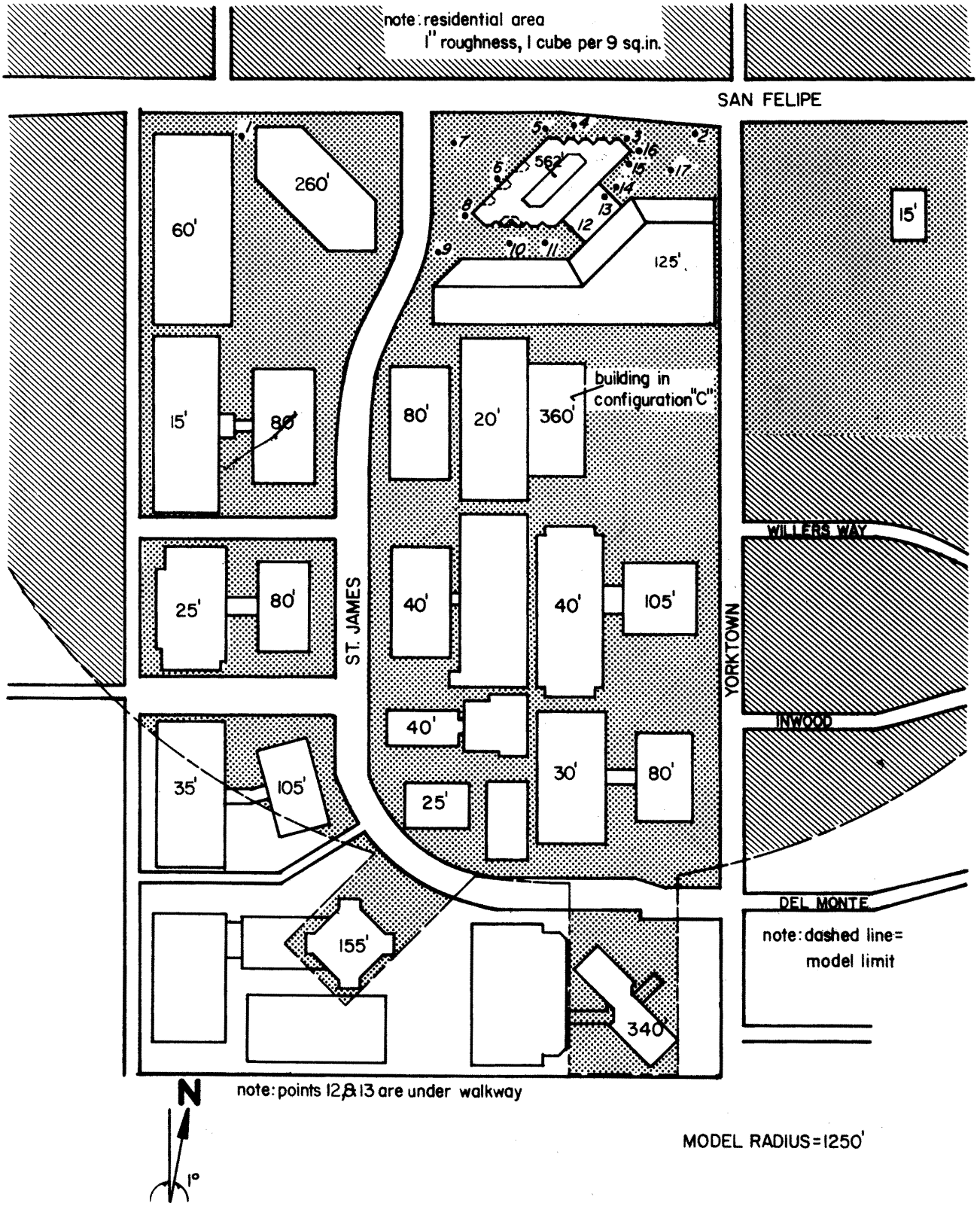
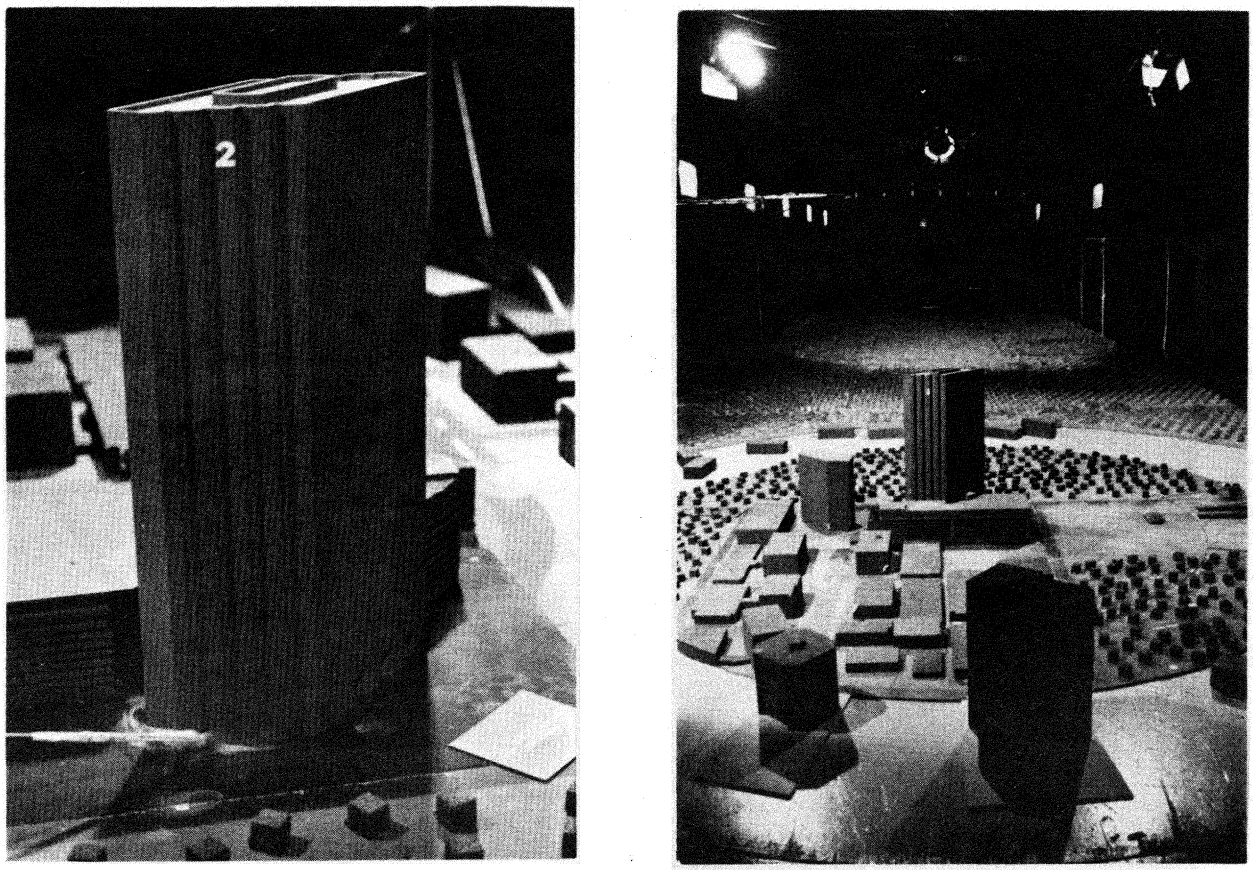
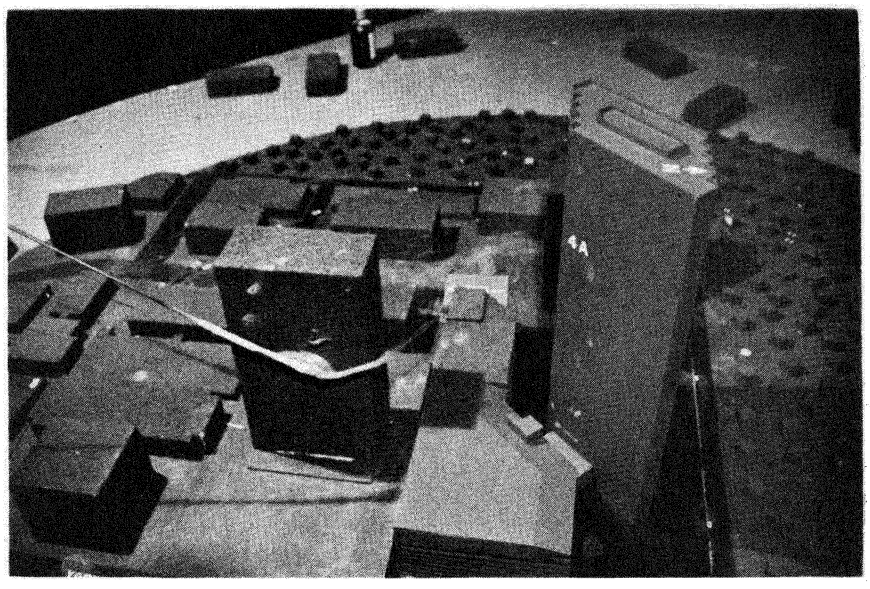


Figure 4. Building Location and Pedestrian Wind Velocity Measuring Positions



Configuration A

Figure 5. Completed Model in Wind Tunnel



Configuration B

Figure 5. Completed Model in Wind Tunnel

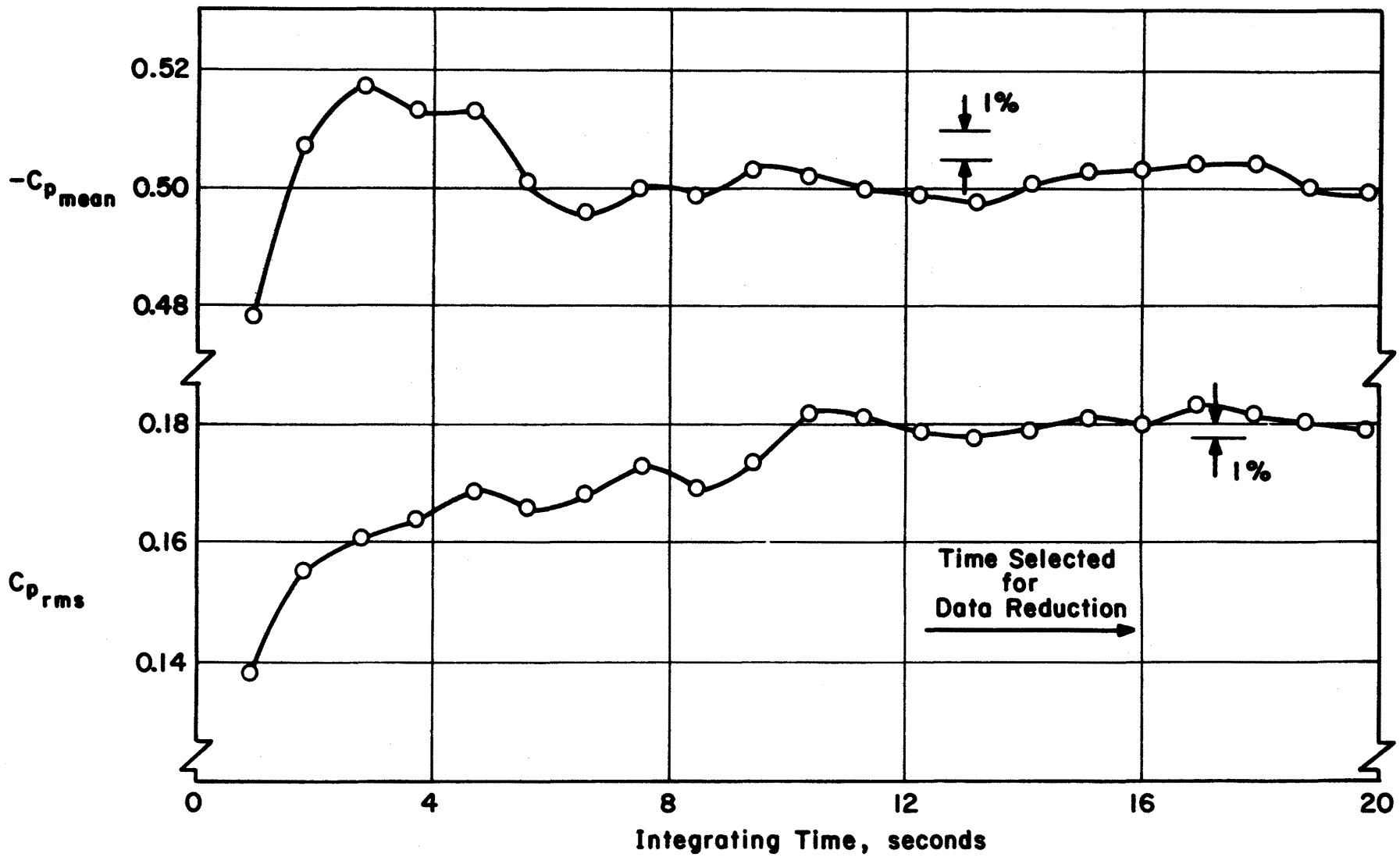


Figure 6 - Data Sampling Time Verification

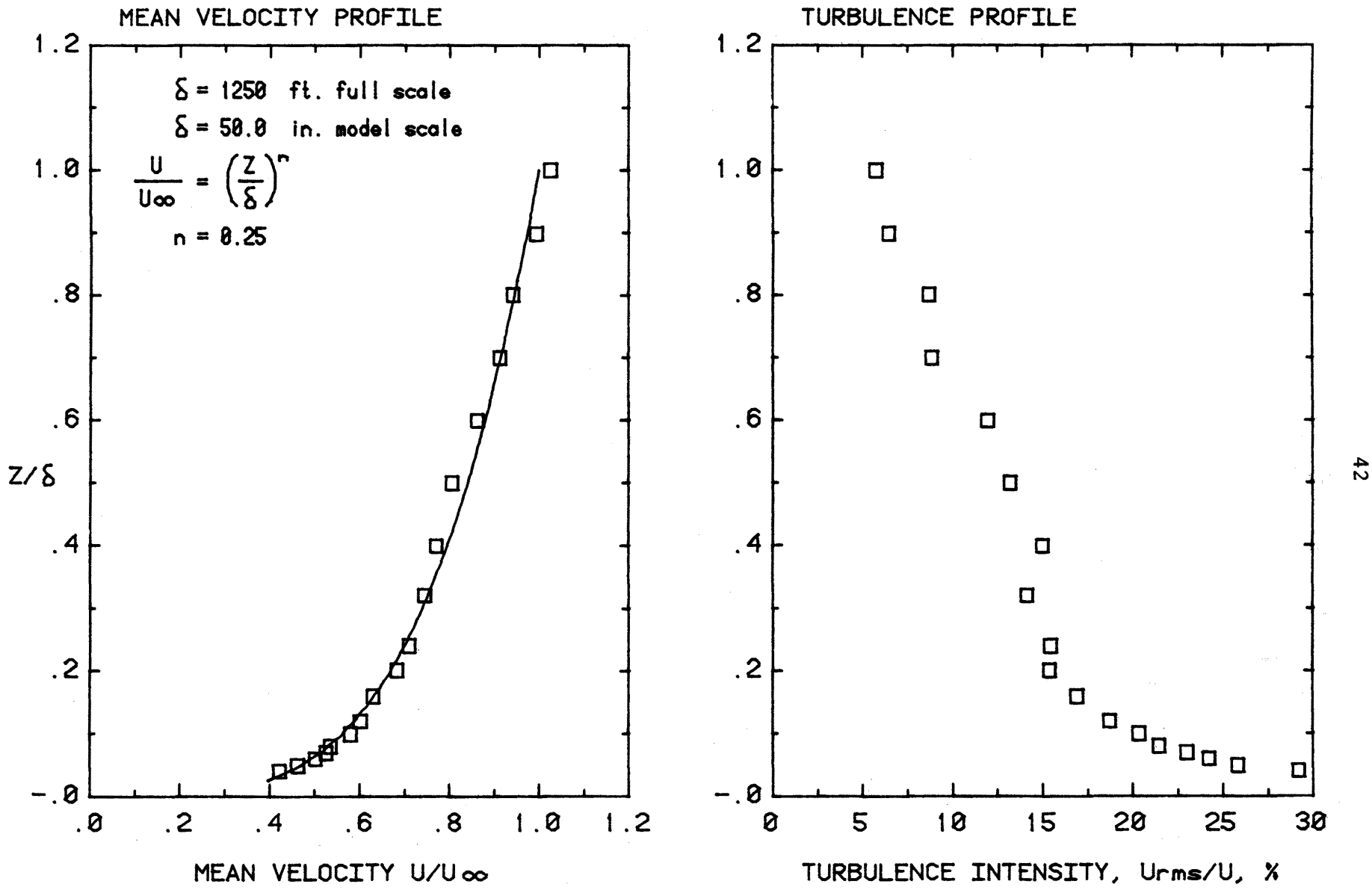
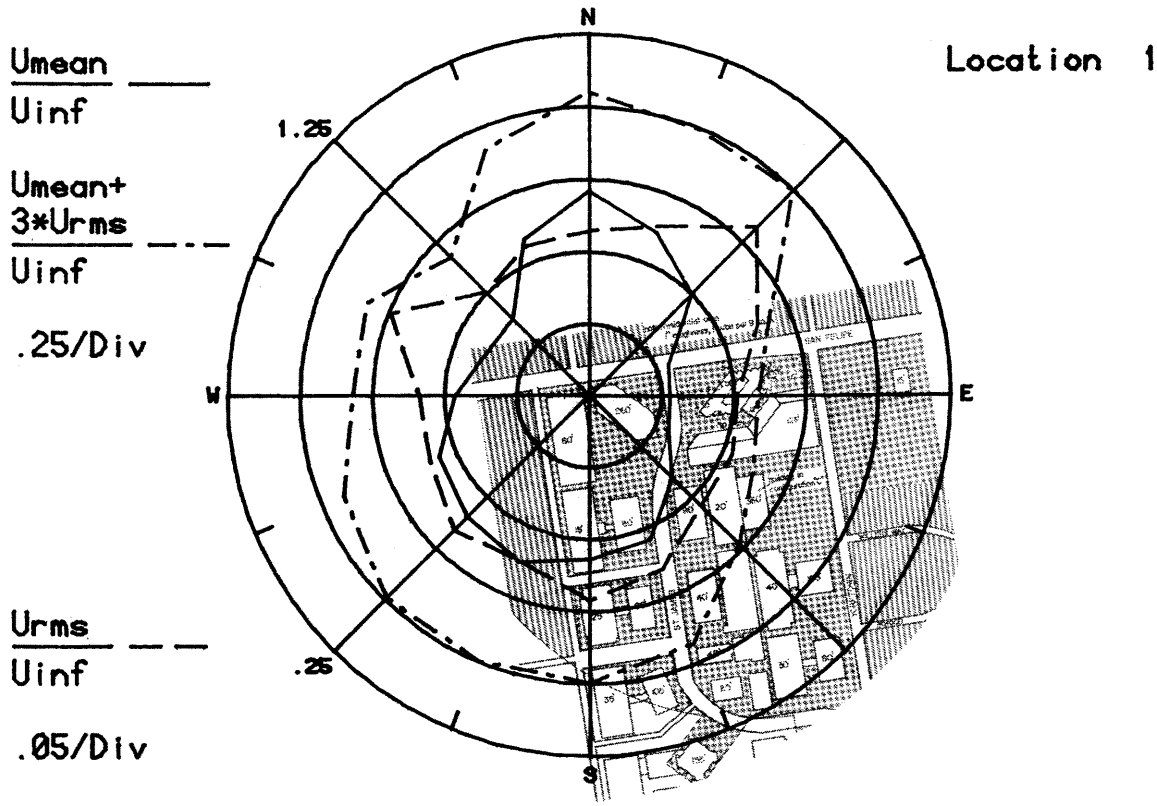


Figure 7. Mean Velocity and Turbulence Profiles Approaching the Model.



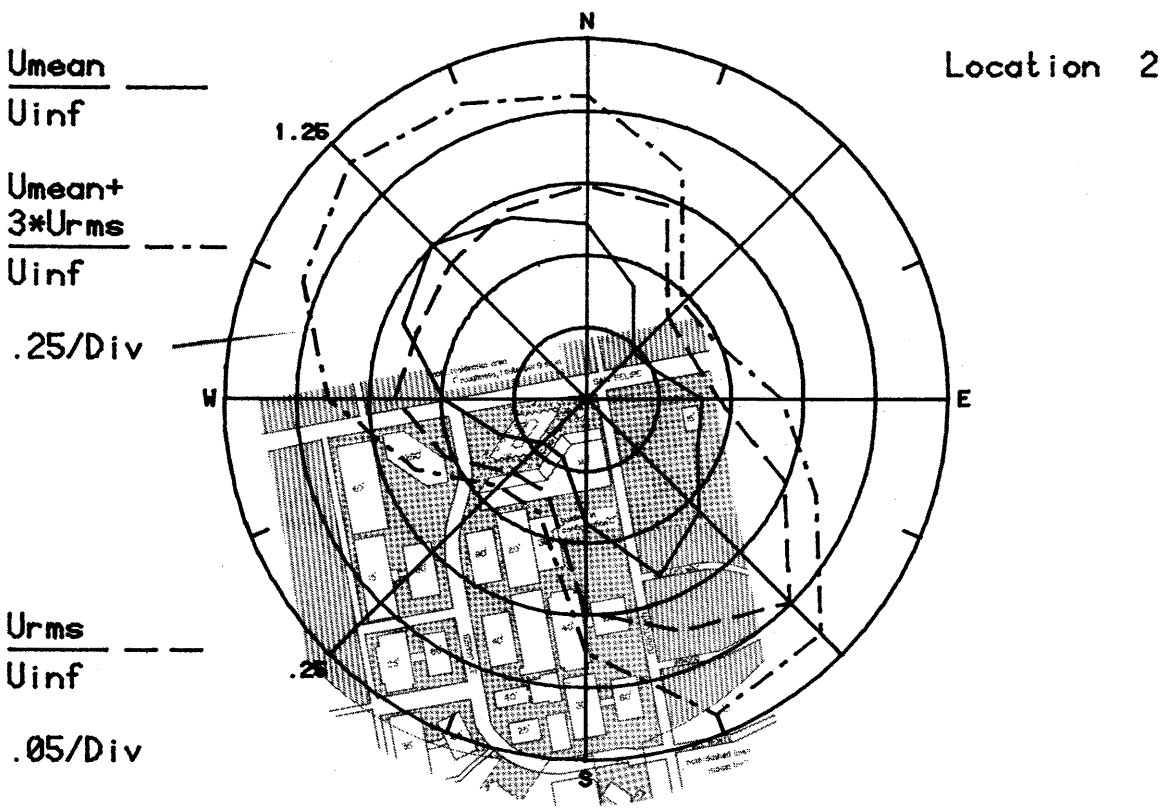


Figure 8a. Mean Velocities and Turbulence Intensities at Pedestrian Locations 1 and 2

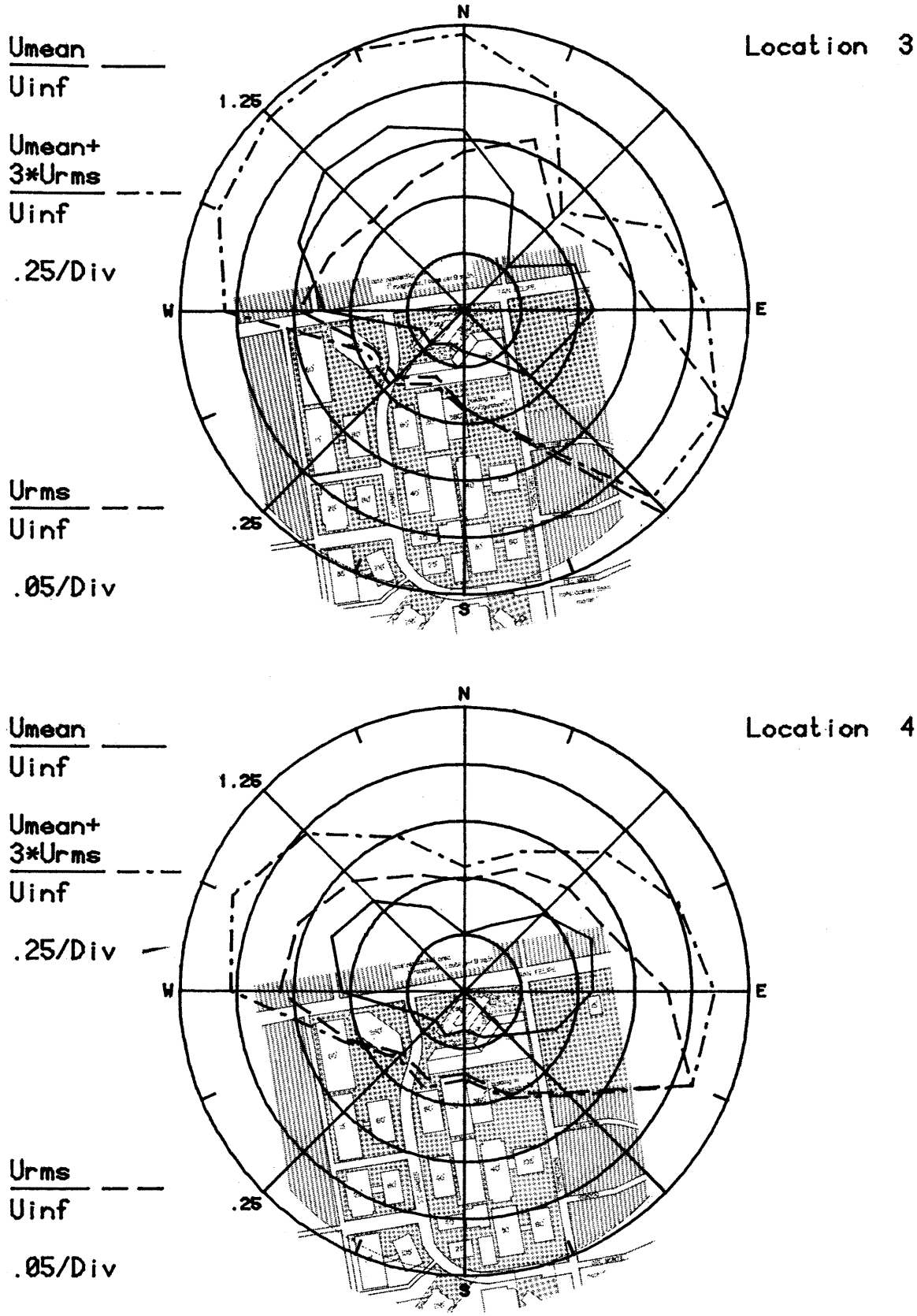


Figure 8b. Mean Velocities and Turbulence Intensities at Pedestrian Locations 3 and 4

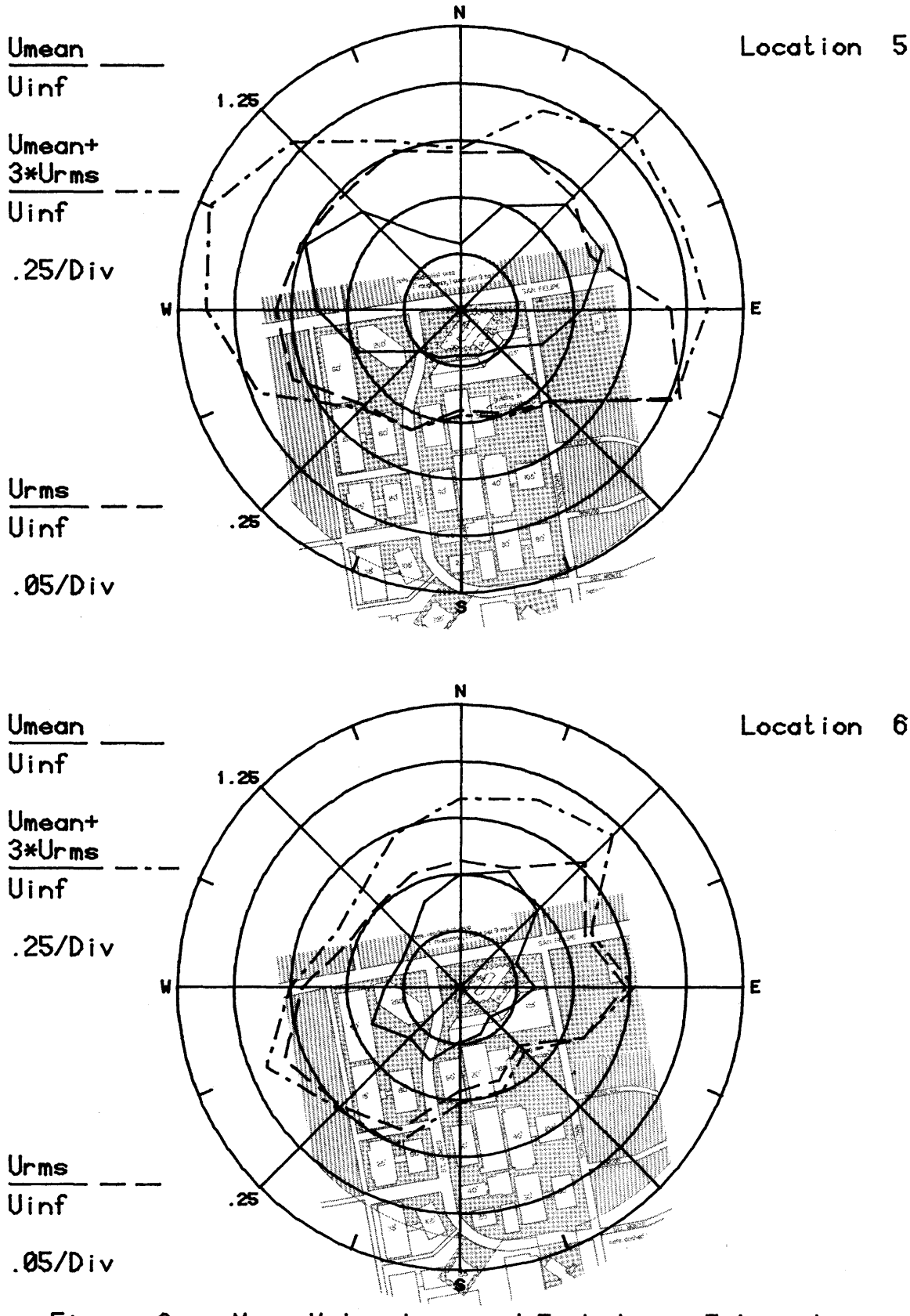


Figure 8c. Mean Velocities and Turbulence Intensities at Pedestrian Locations 5 and 6

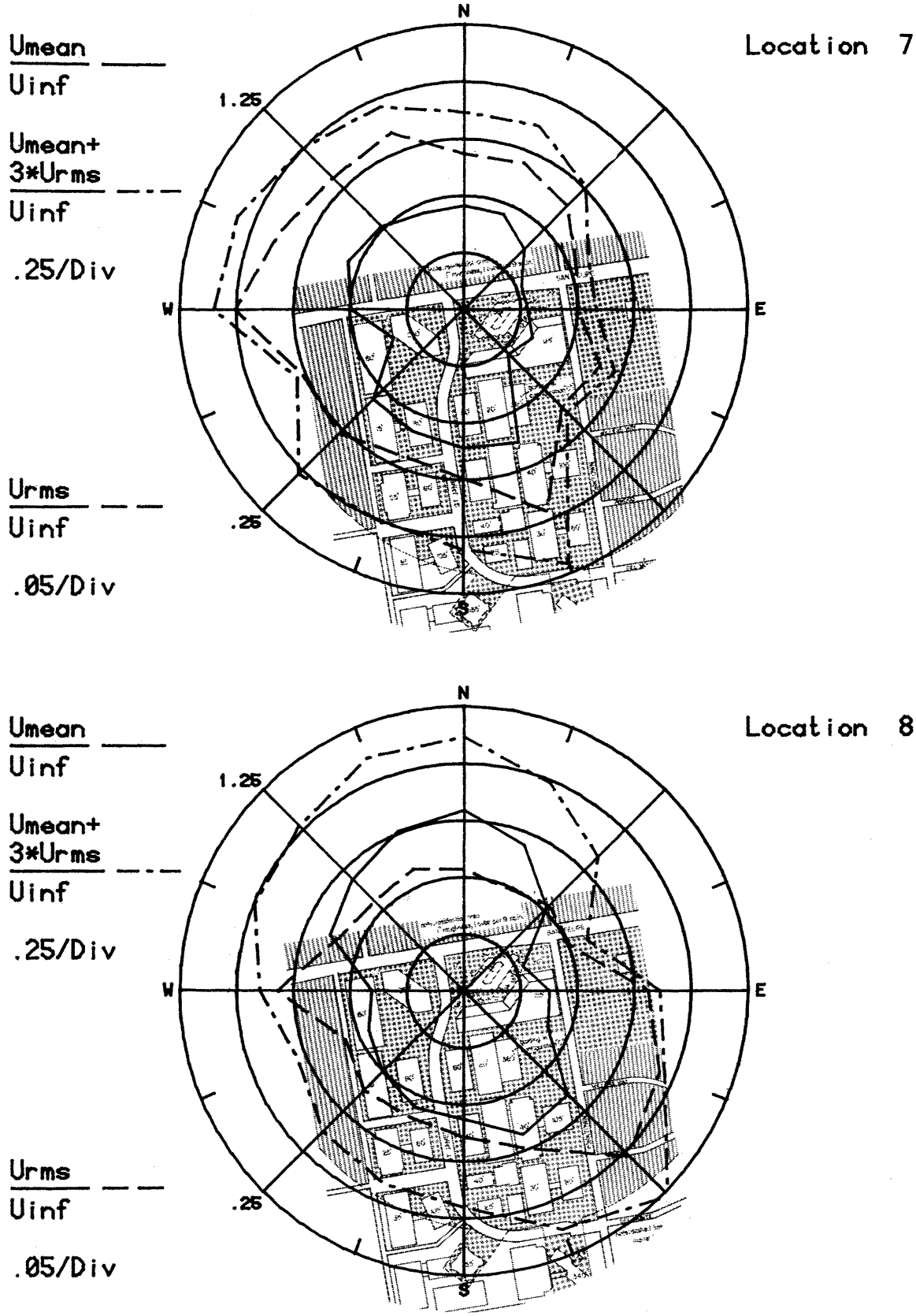
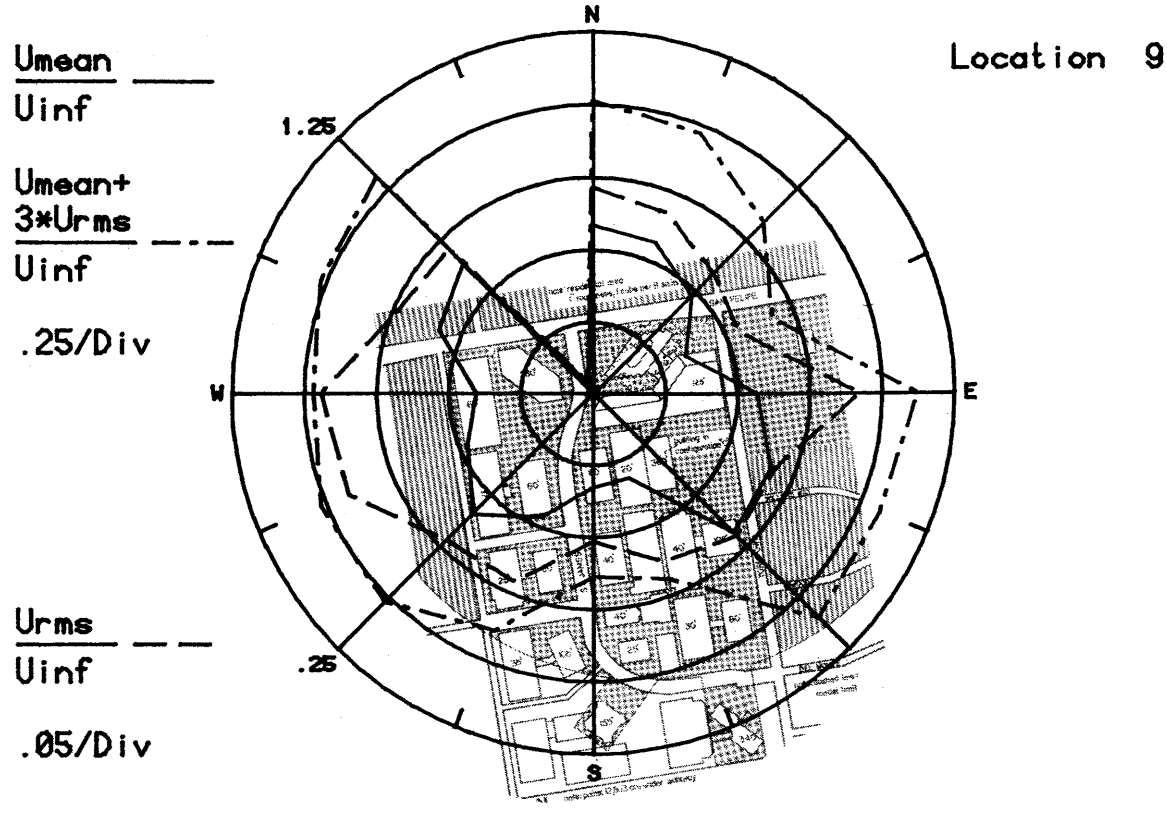


Figure 8d. Mean Velocities and Turbulence Intensities at Pedestrian Locations 7 and 8



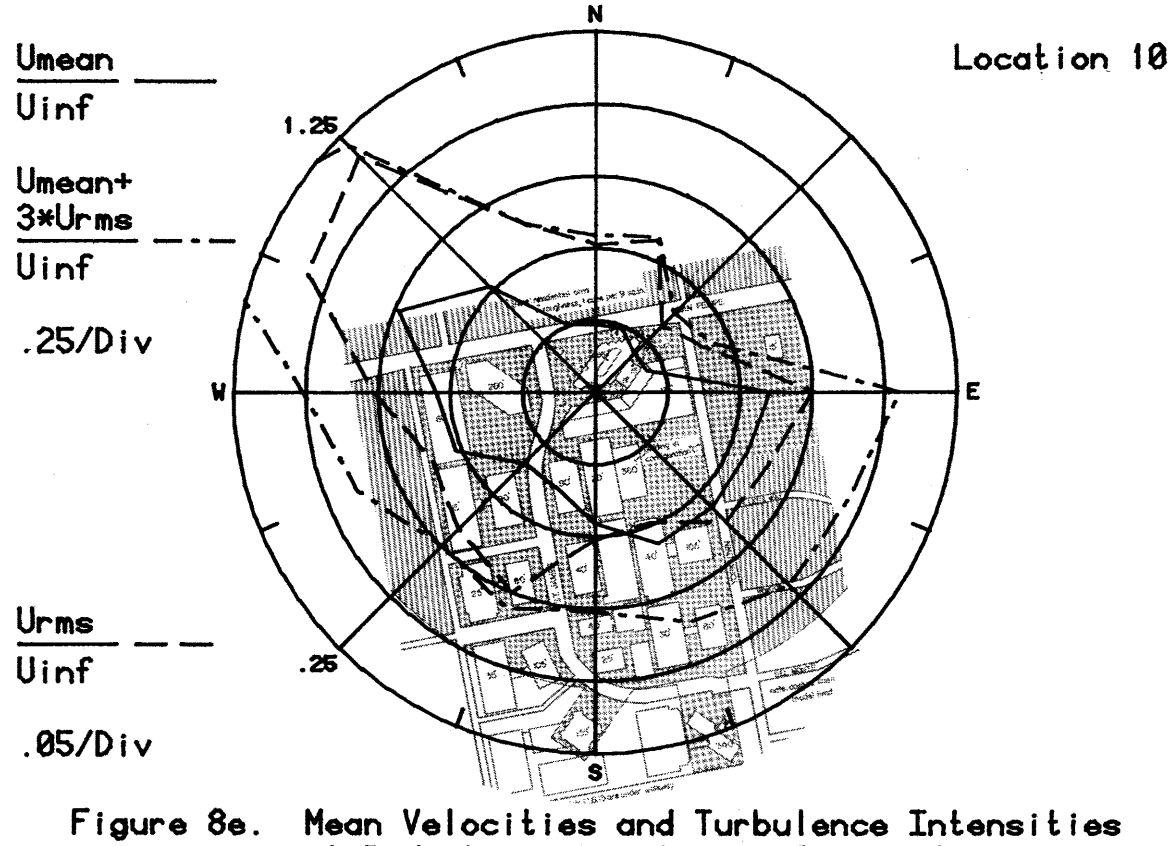


Figure 8e. Mean Velocities and Turbulence Intensities at Pedestrian Locations 9 and 10

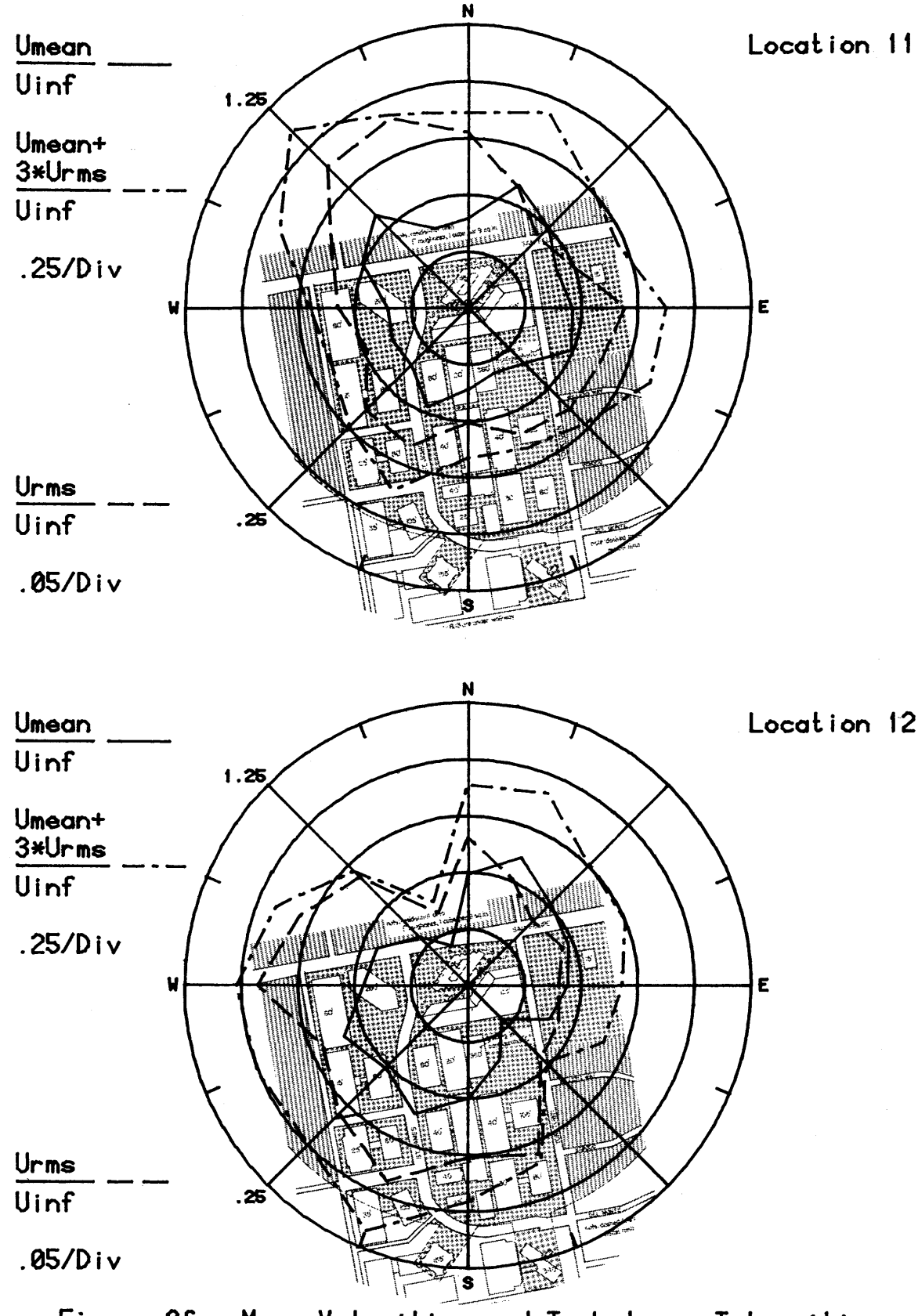


Figure 8f. Mean Velocities and Turbulence Intensities at Pedestrian Locations 11 and 12

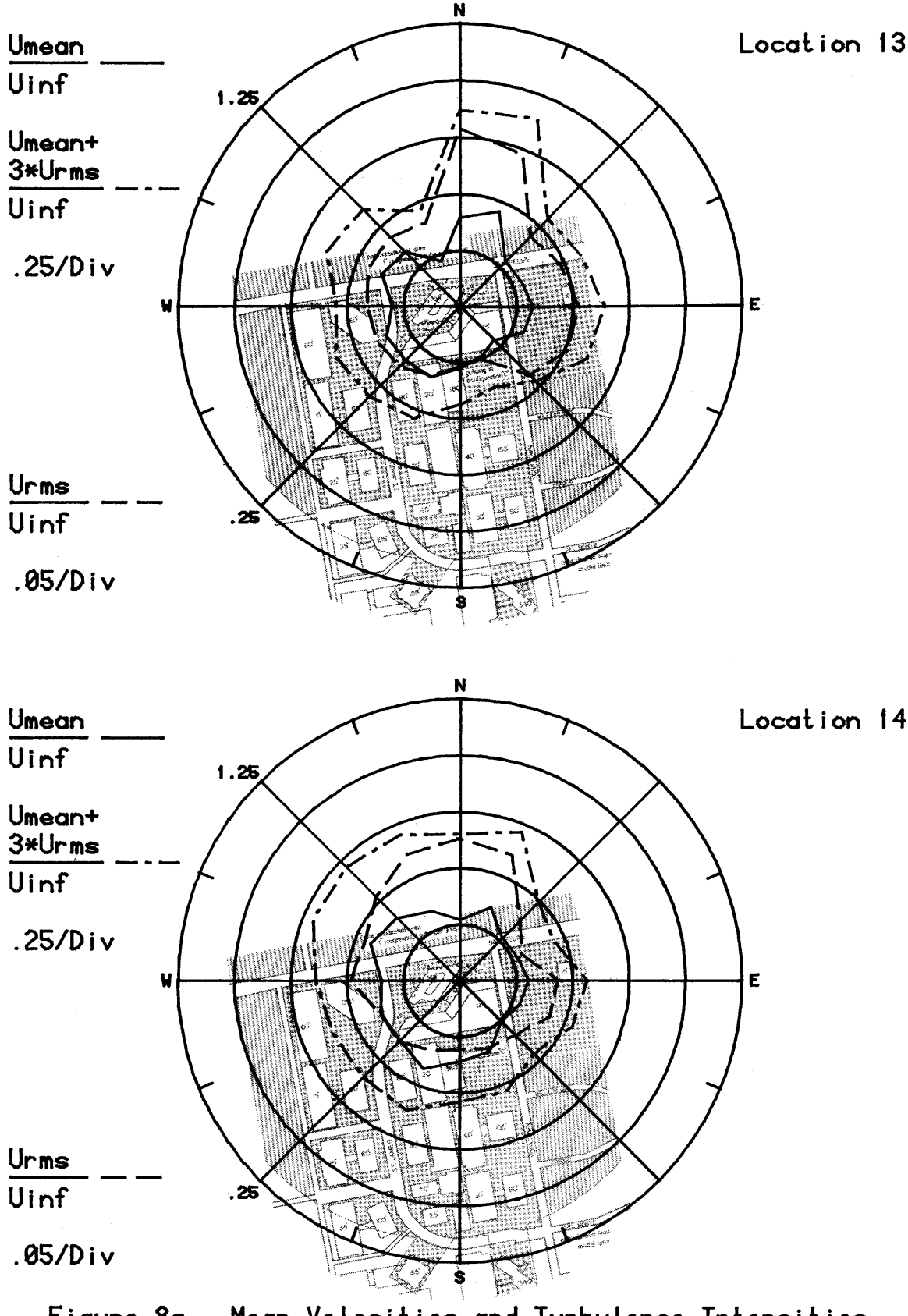
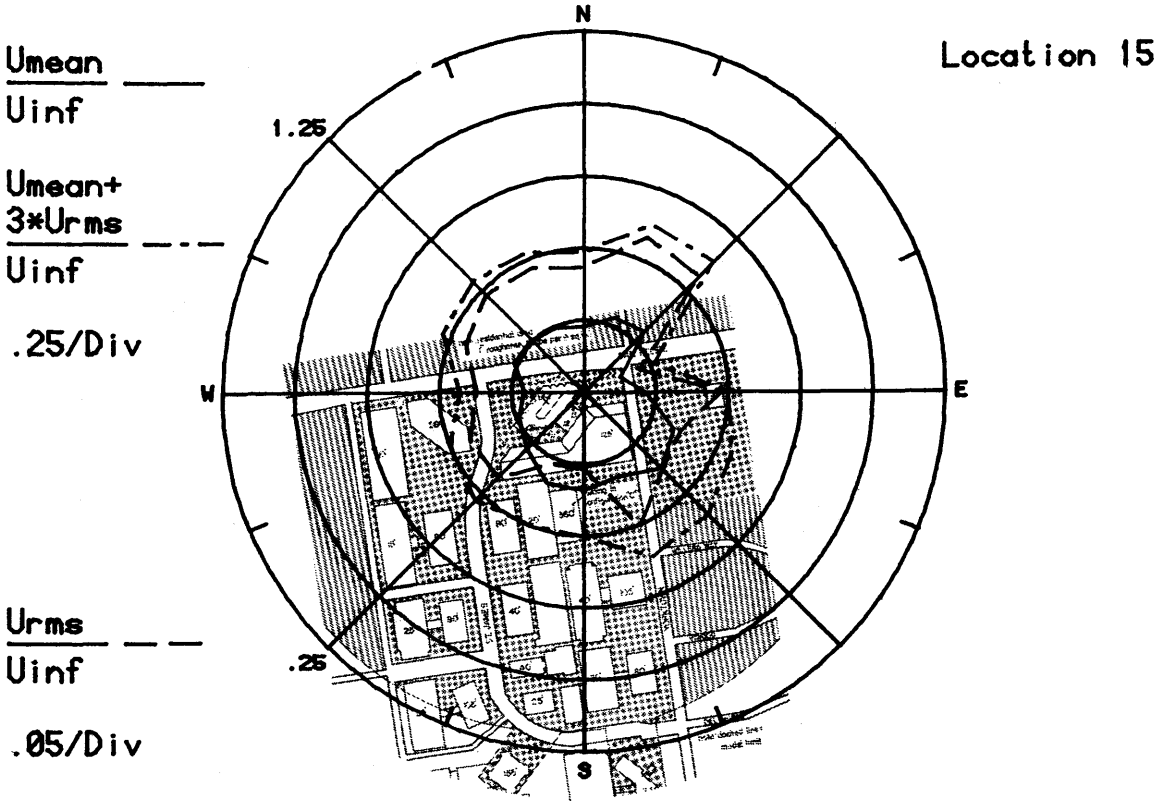


Figure 8g. Mean Velocities and Turbulence Intensities at Pedestrian Locations 13 and 14



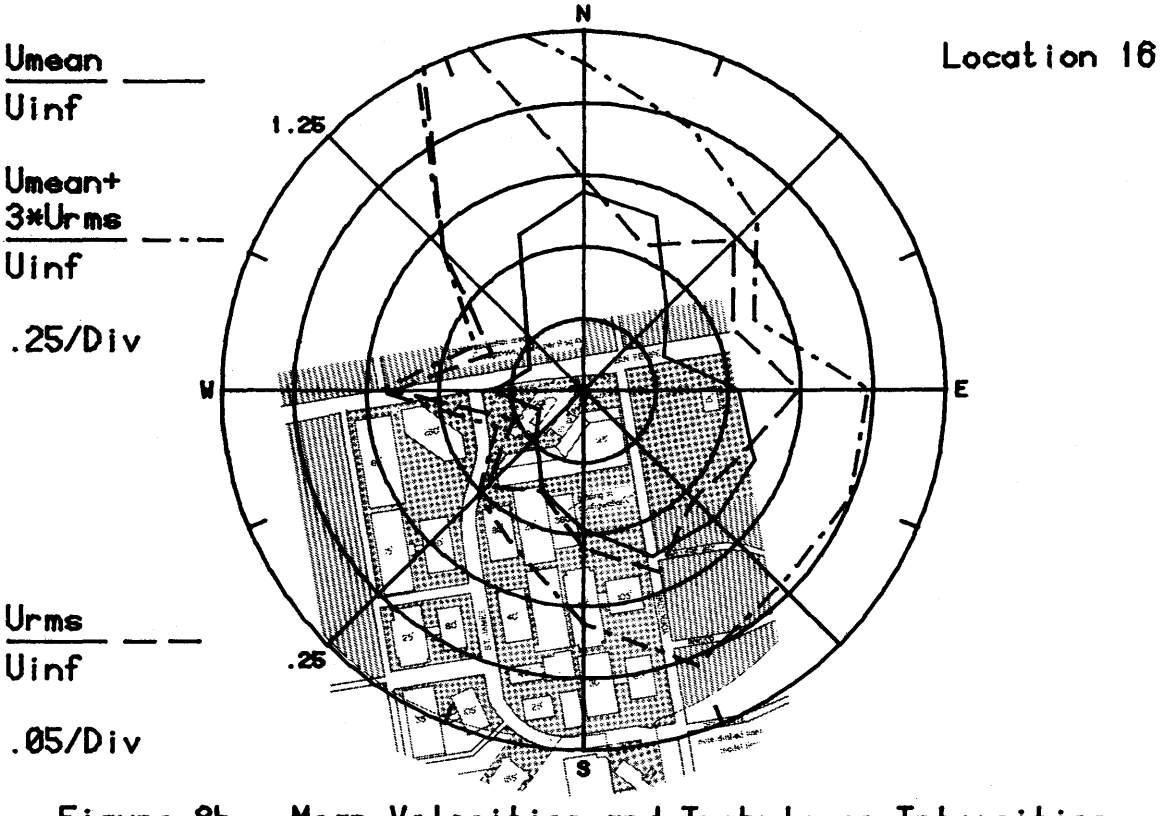


Figure 8h. Mean Velocities and Turbulence Intensities at Pedestrian Locations 15 and 16

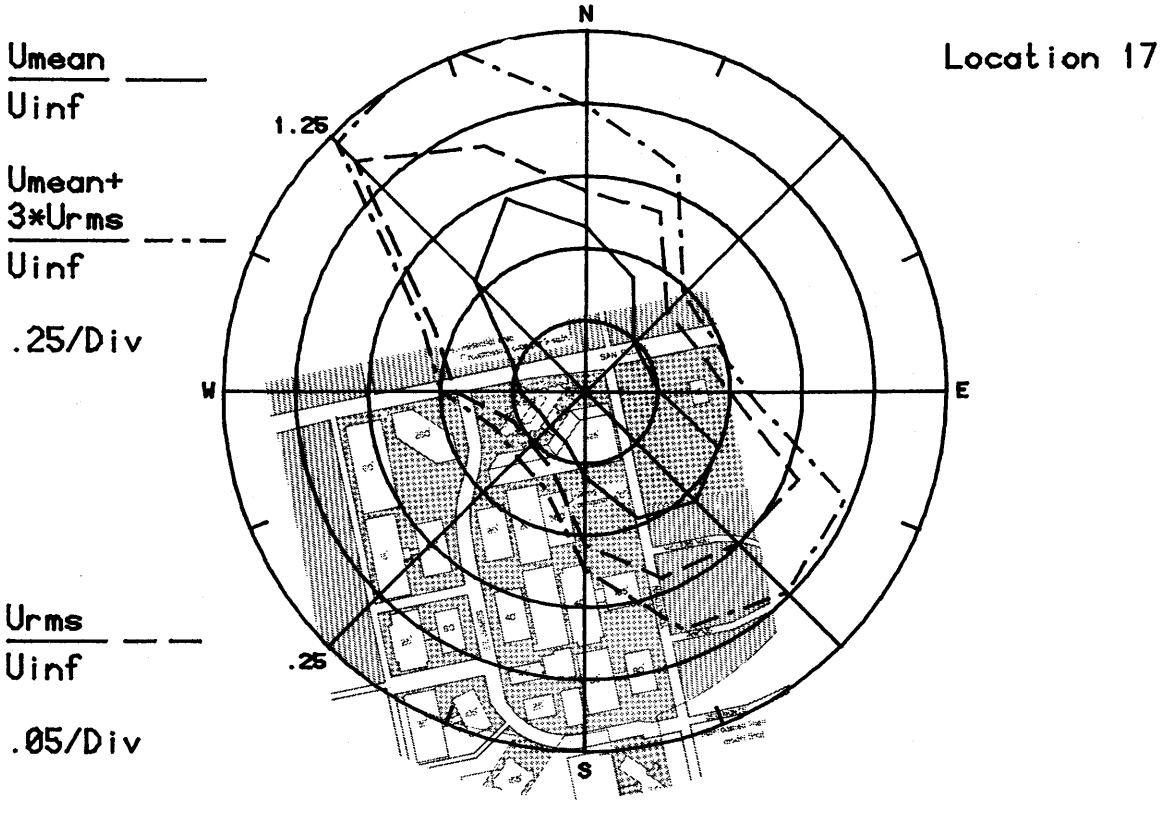


Figure 8i. Mean Velocities and Turbulence Intensities at Pedestrian Location 17

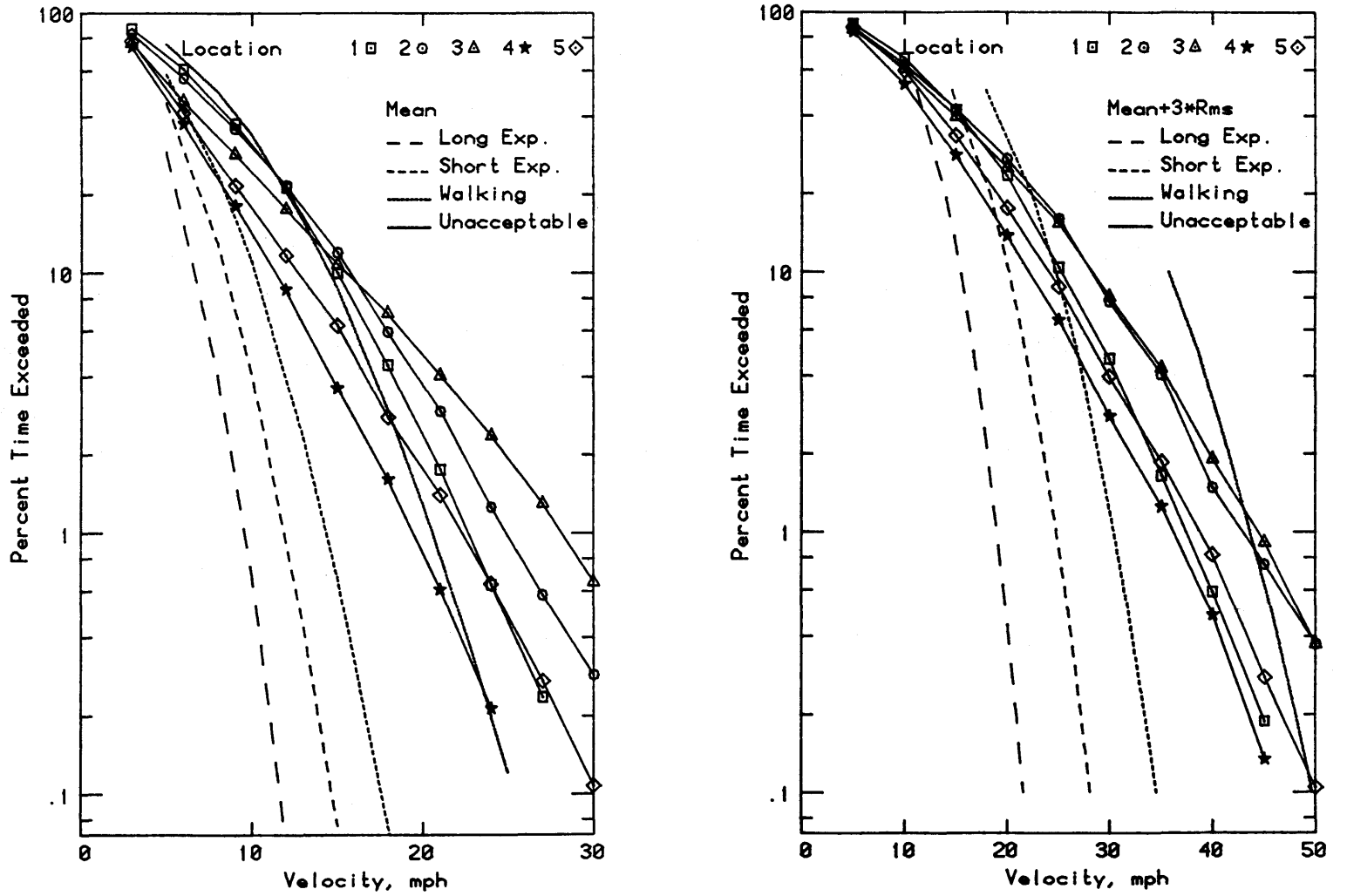


Figure 9a. Wind Velocity Probabilities for Pedestrian Locations

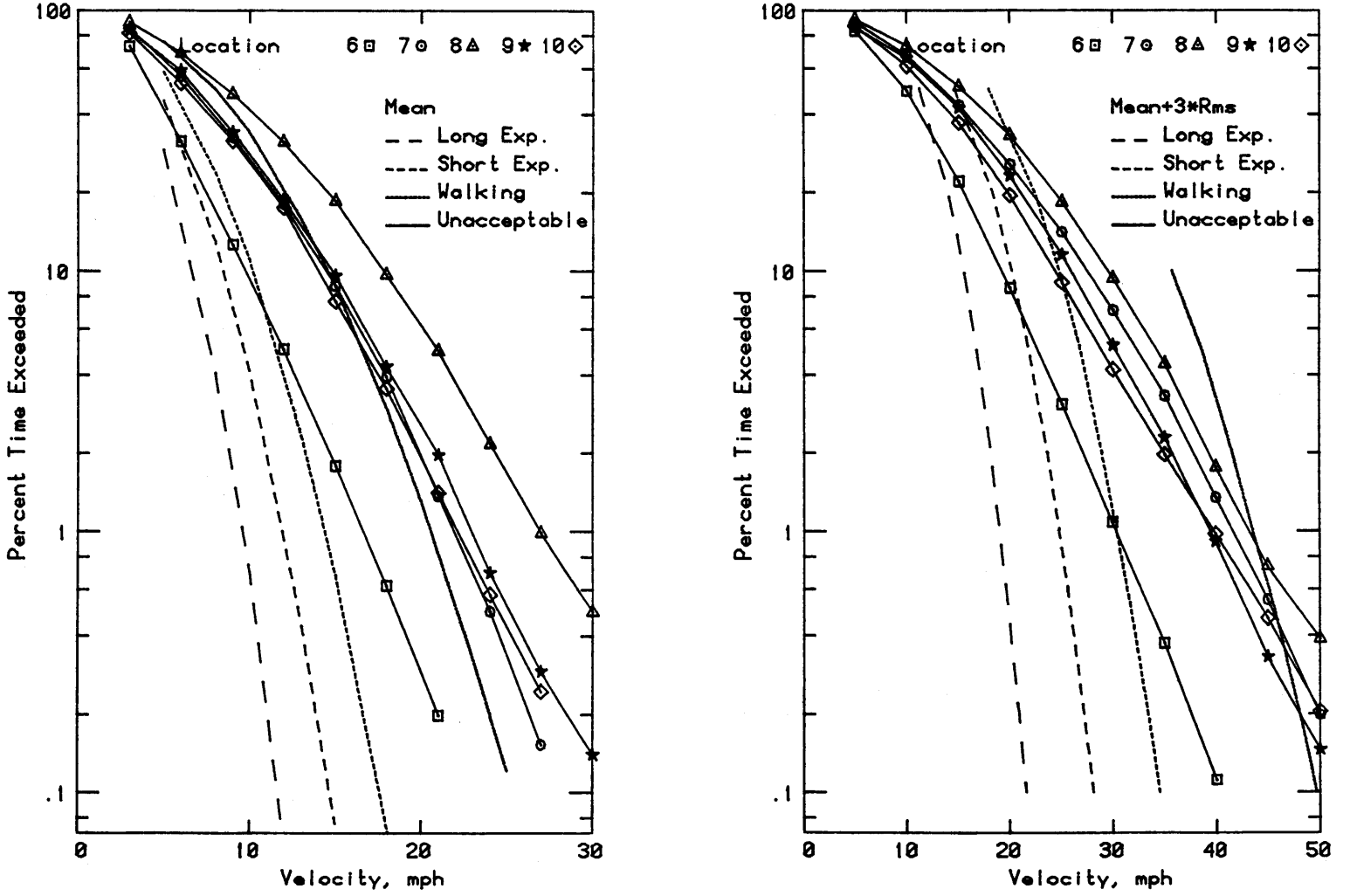


Figure 9b. Wind Velocity Probabilities for Pedestrian Locations

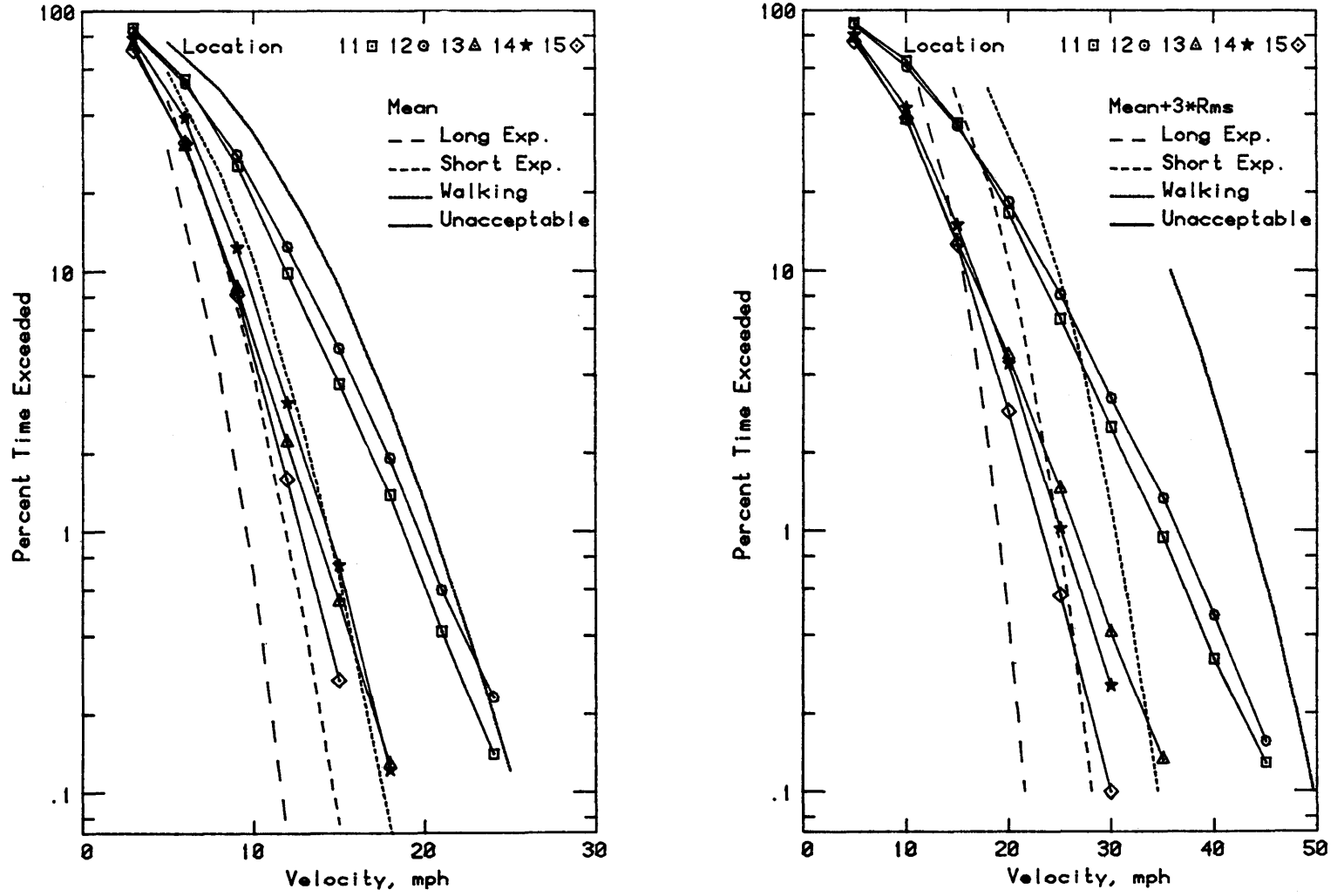


Figure 9c. Wind Velocity Probabilities for Pedestrian Locations

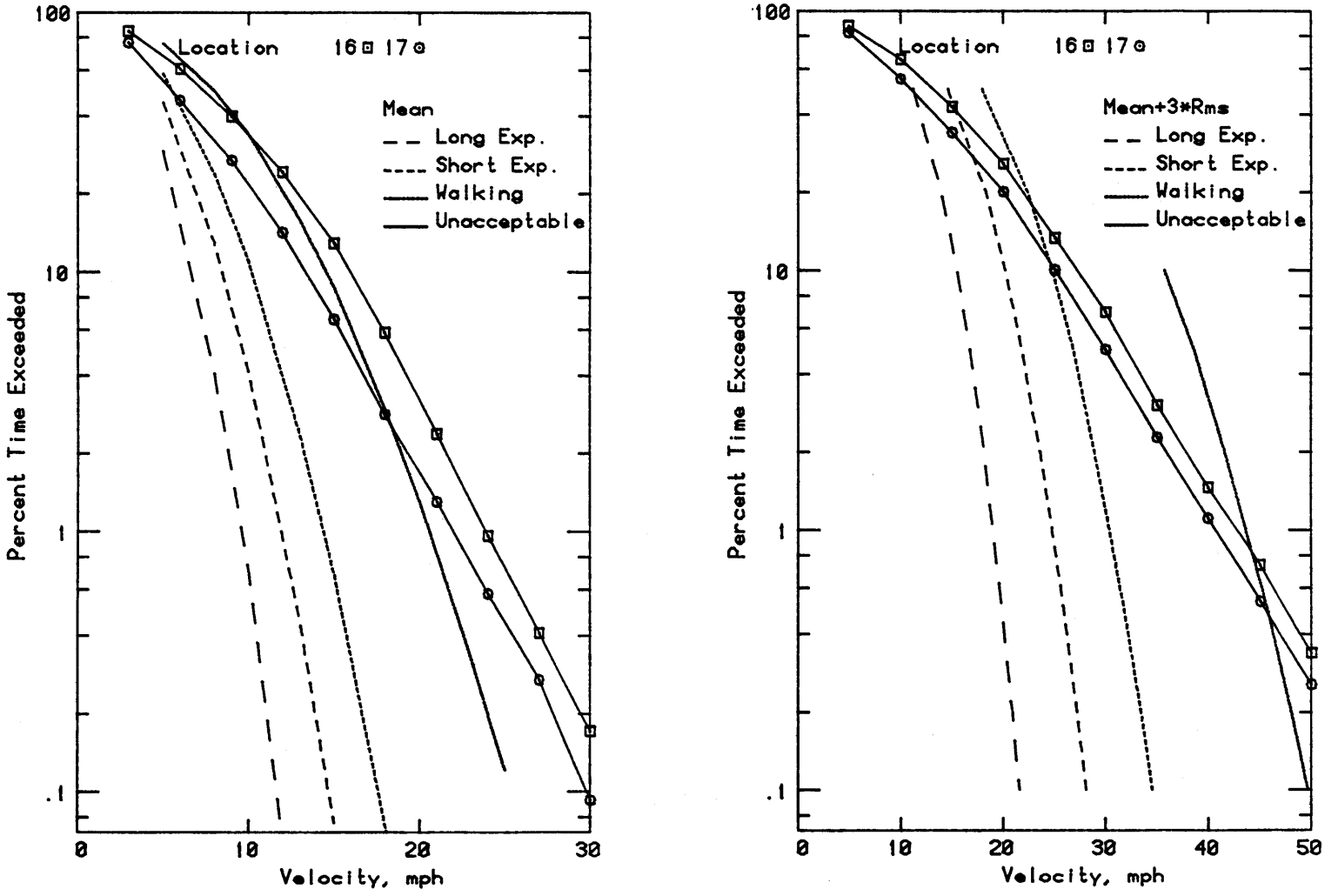
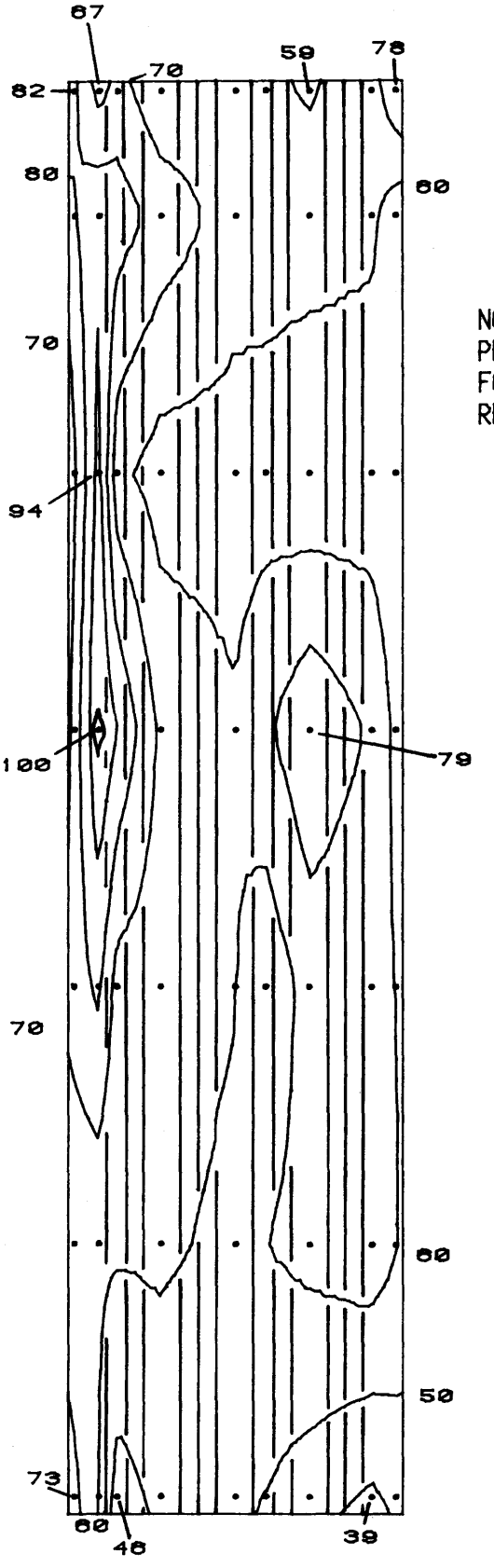


Figure 9d. Wind Velocity Probabilities for Pedestrian Locations



NORTH
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 100-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 42 PSF

Figure 10a. Peak Pressure Contours on the Building for Cladding Loads

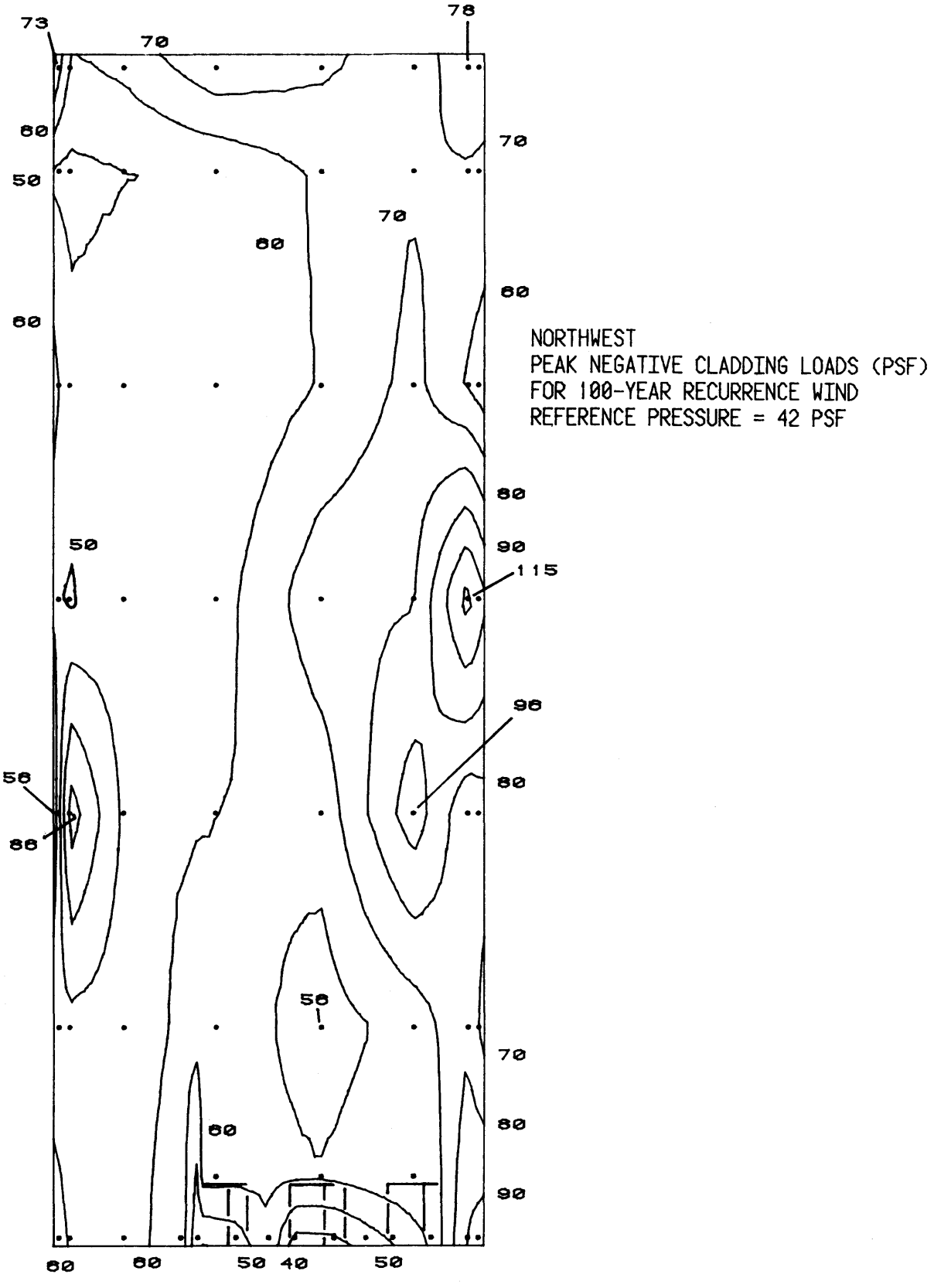
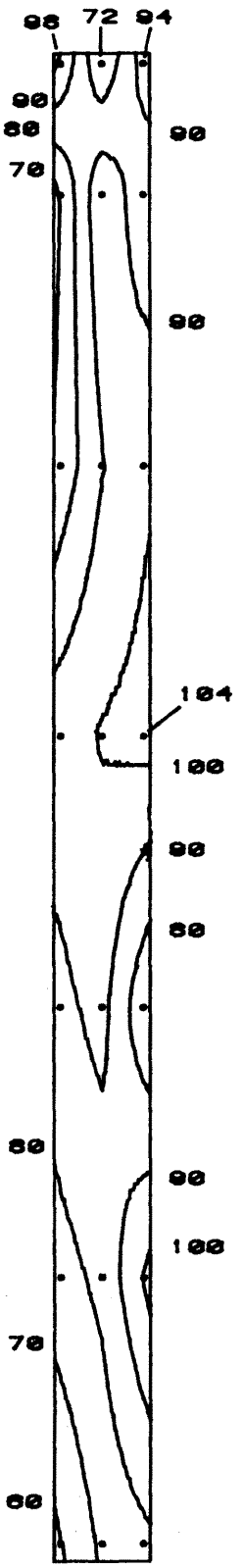
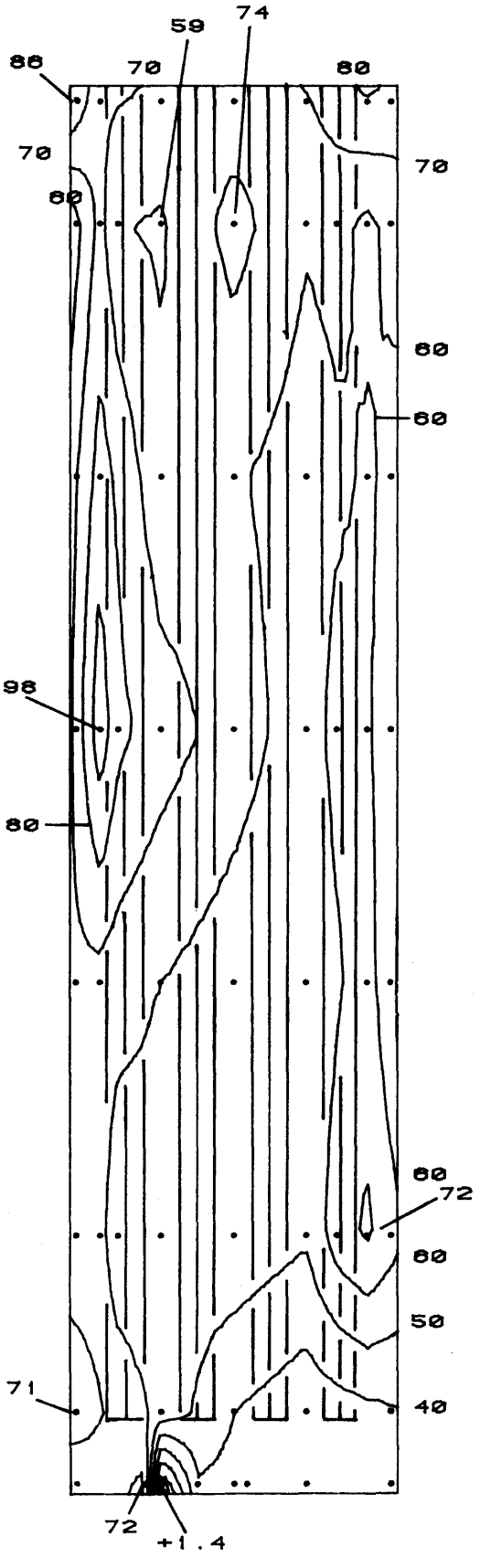


Figure 10b. Peak Pressure Contours on the Building for Cladding Loads



SOUTHWEST
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 100-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 42 PSF

Figure 10c. Peak Pressure Contours on the Building for Cladding Loads



SOUTH
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 100-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 42 PSF

Figure 10d. Peak Pressure Contours on the Building for Cladding Loads

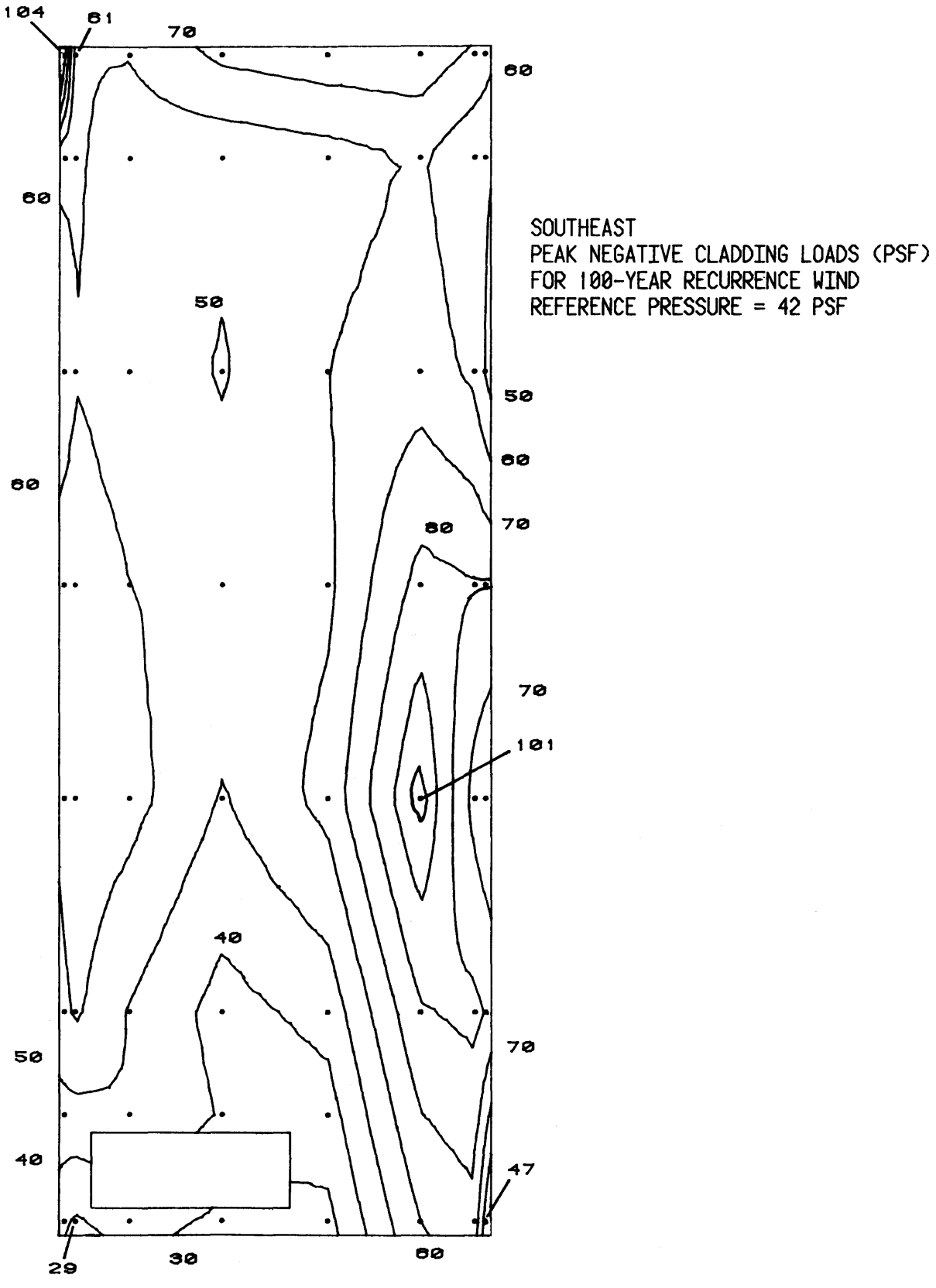
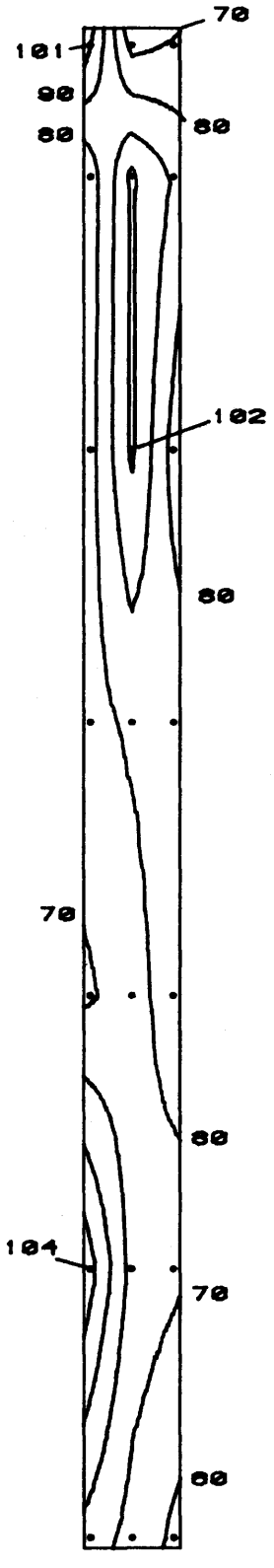
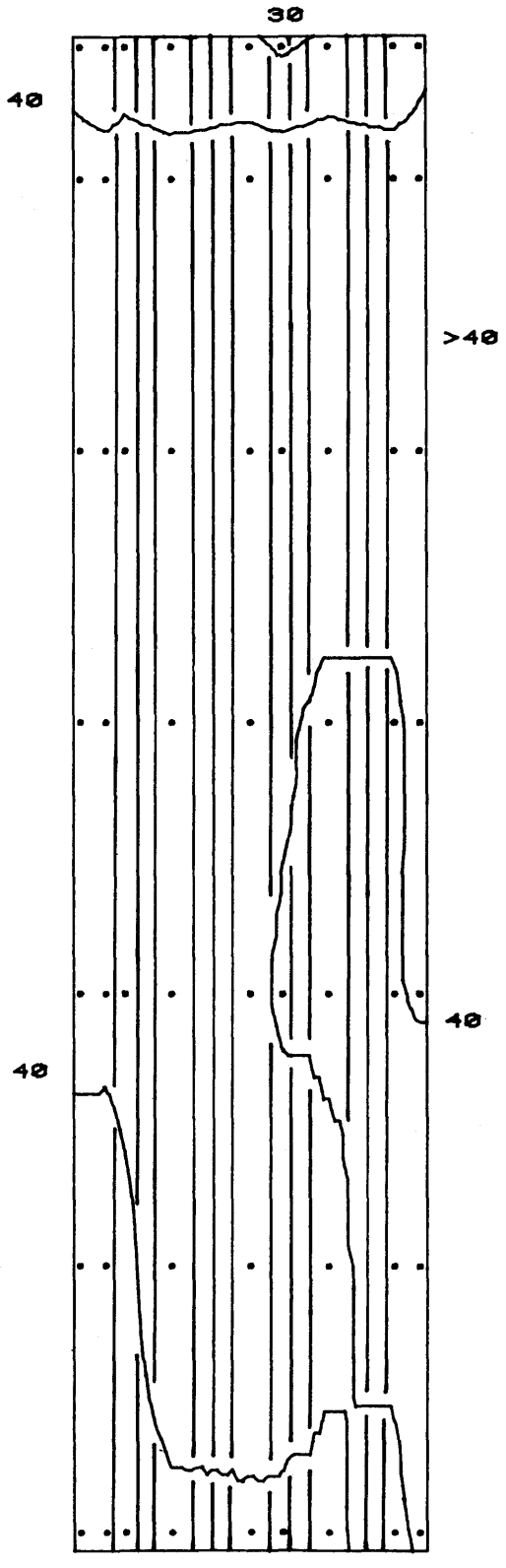


Figure 10e. Peak Pressure Contours on the Building for Cladding Loads



NORTHEAST
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 100-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 42 PSF

Figure 10f. Peak Pressure Contours on the Building for Cladding Loads



NORTH
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 100-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 42 PSF

Figure 10g. Peak Pressure Contours on the Building for Cladding Loads

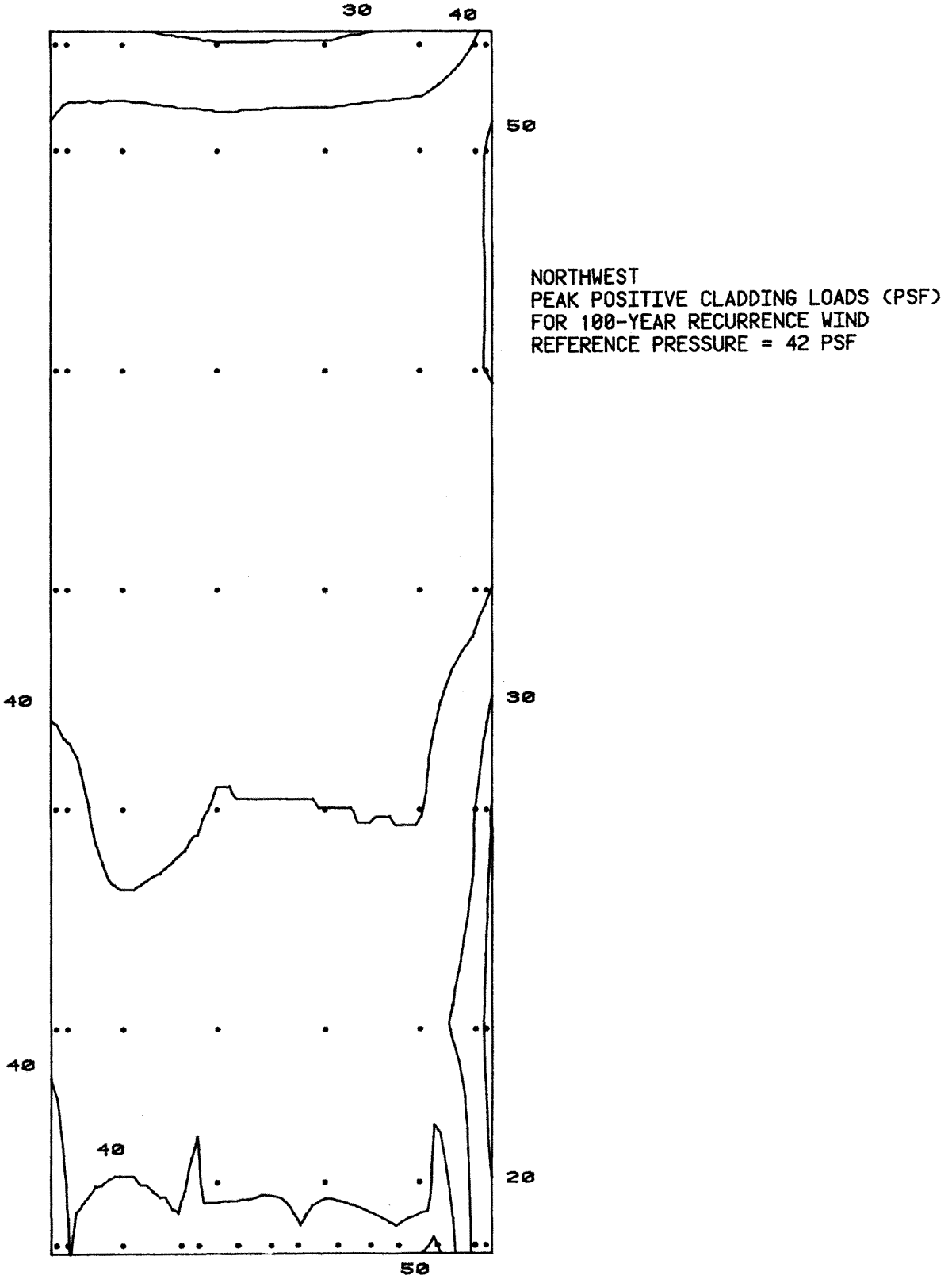
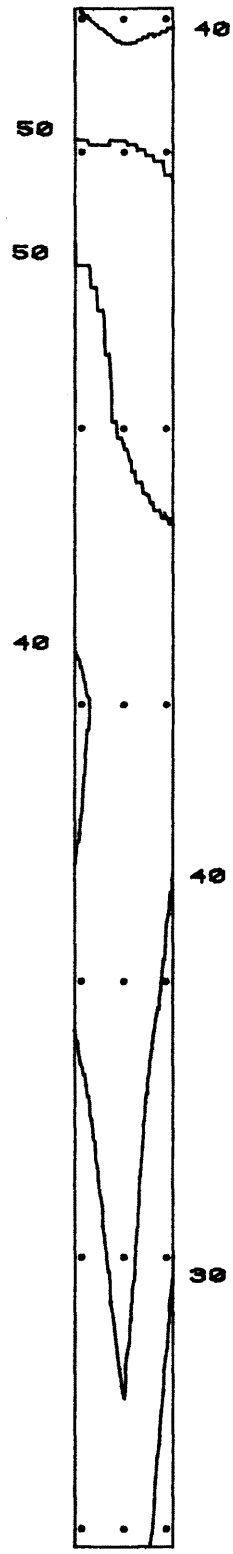


Figure 10h. Peak Pressure Contours on the Building for Cladding Loads



SOUTHWEST
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 100-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 42 PSF

Figure 10i. Peak Pressure Contours on the Building for Cladding Loads

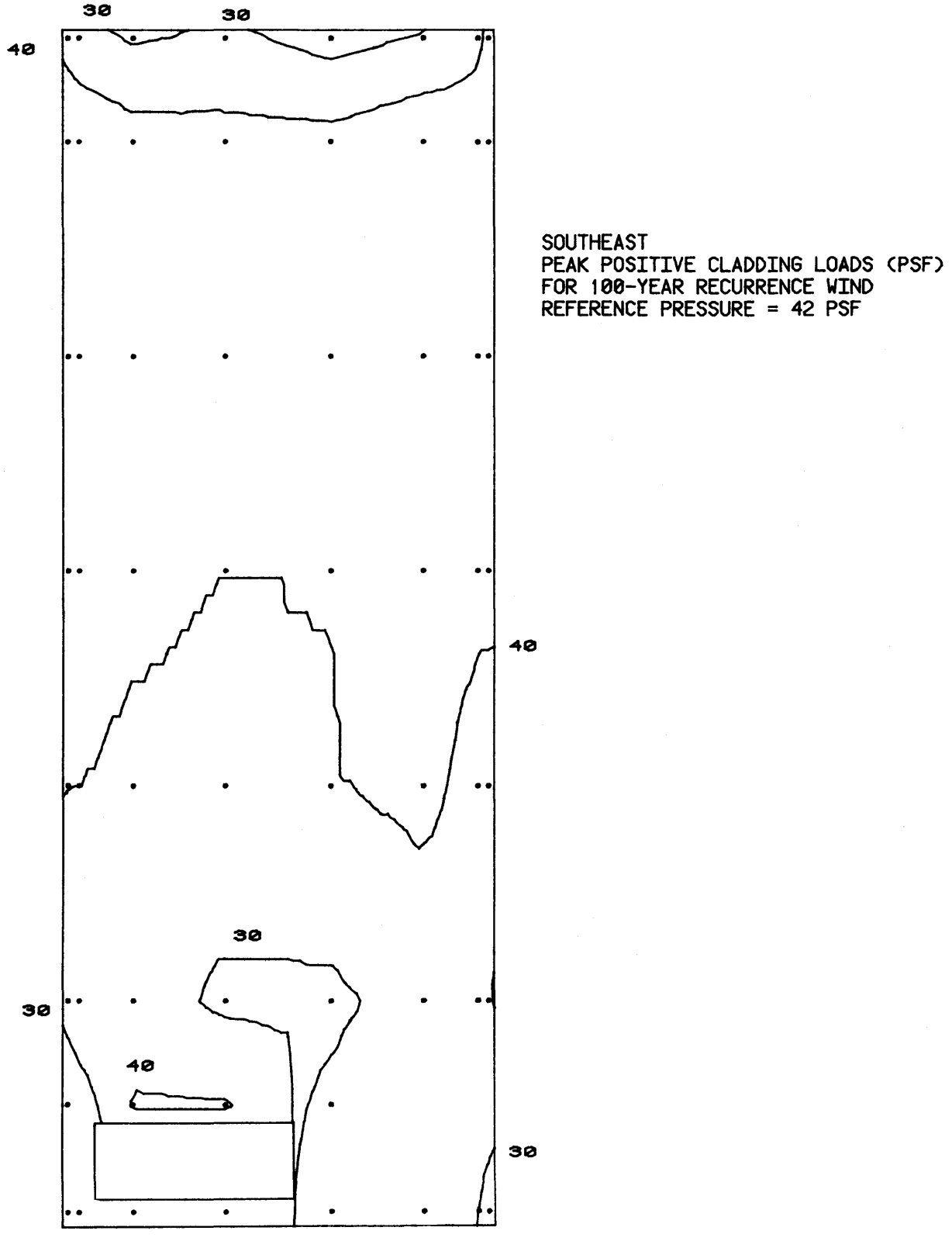
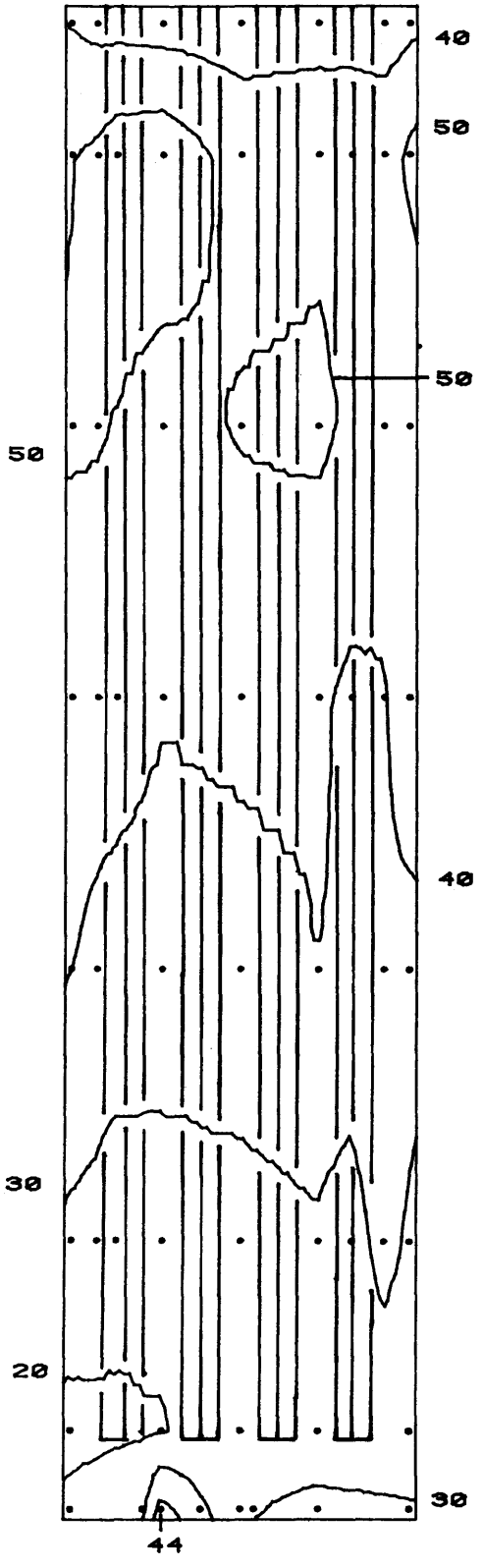


Figure 10j. Peak Pressure Contours on the Building for Cladding Loads



SOUTH
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 100-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 42 PSF

Figure 10k. Peak Pressure Contours on the Building for Cladding Loads

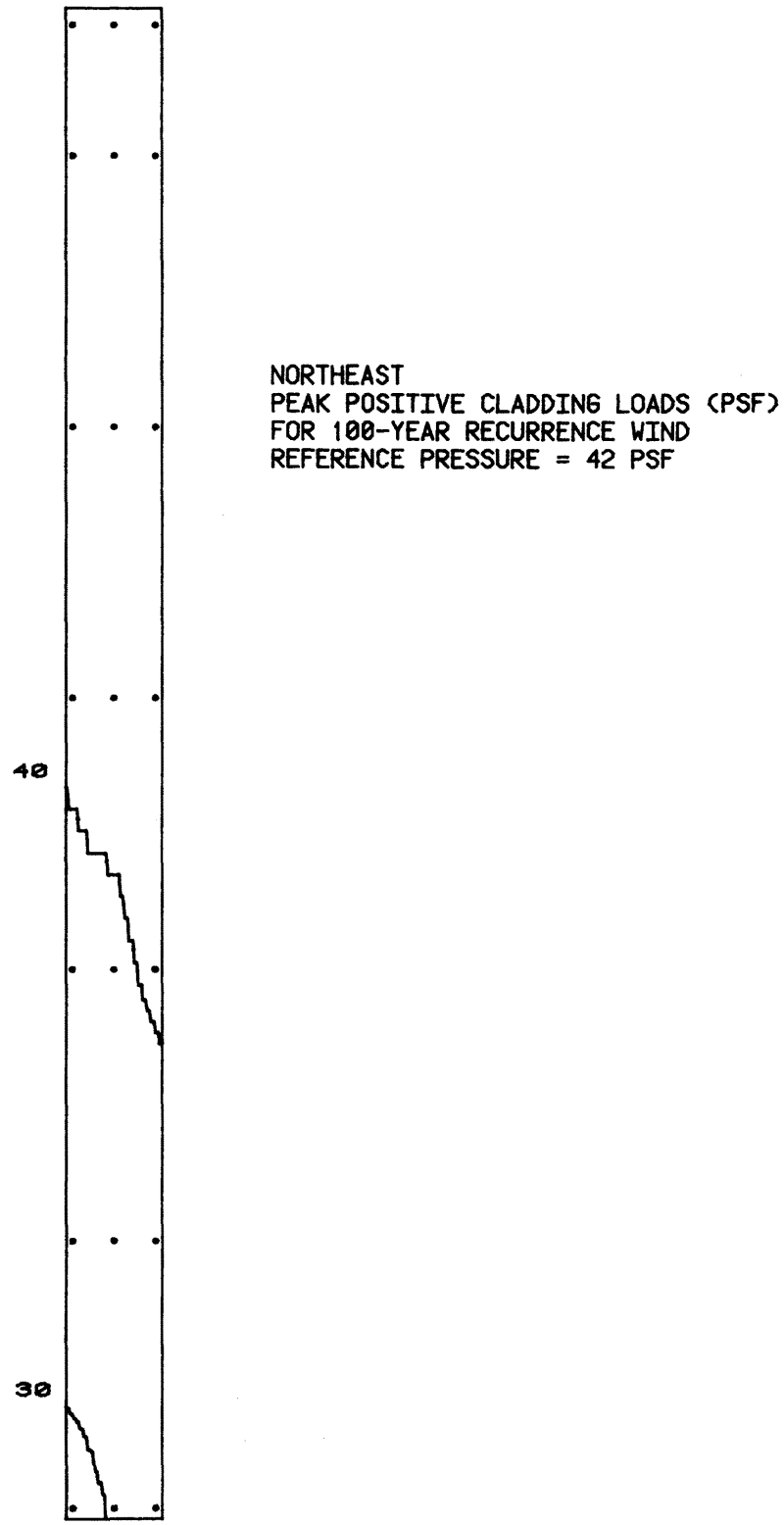


Figure 101. Peak Pressure Contours on the Building for Cladding Loads

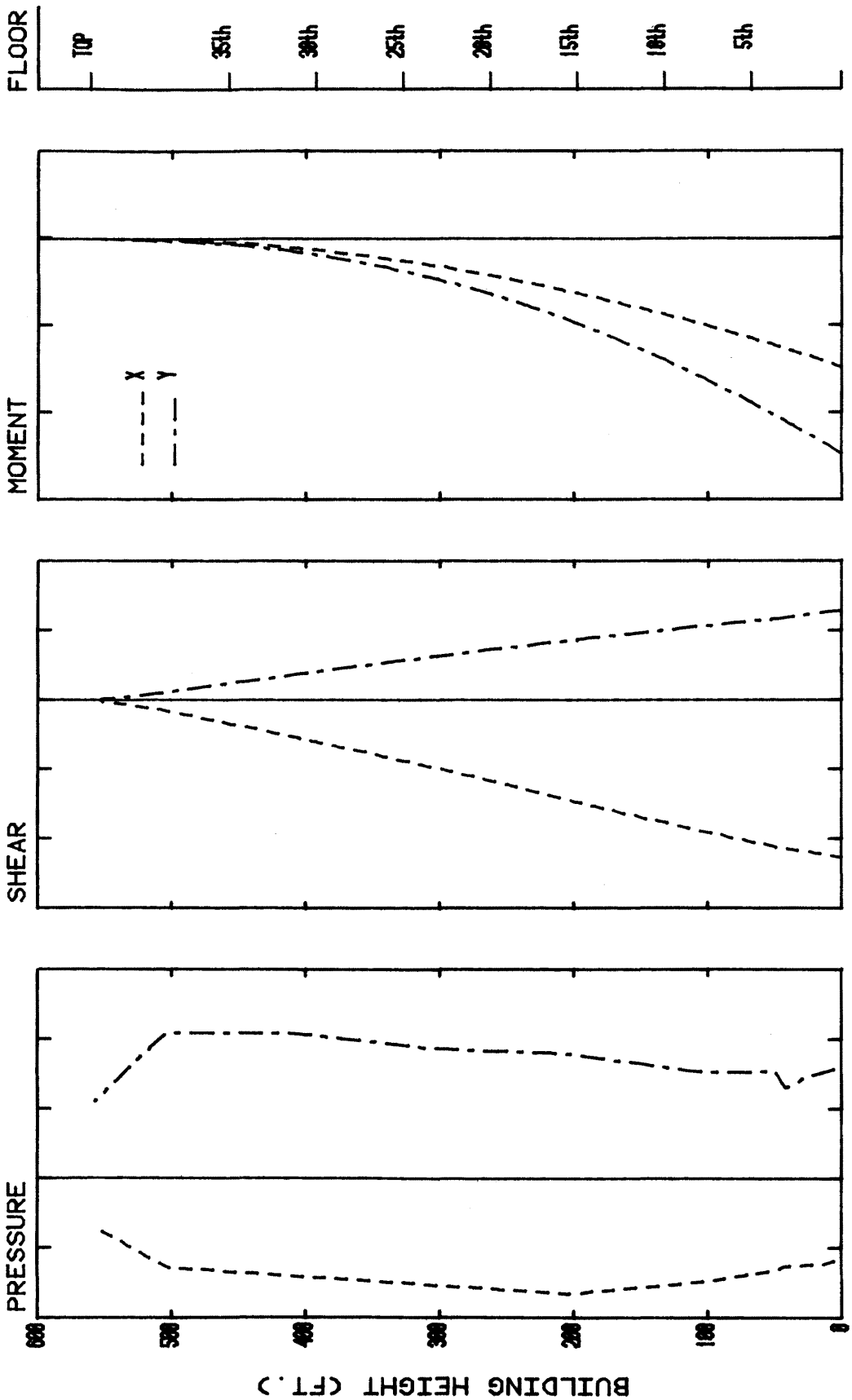


Figure 11. Load, Shear, and Moment Diagrams for Selected Wind Directions

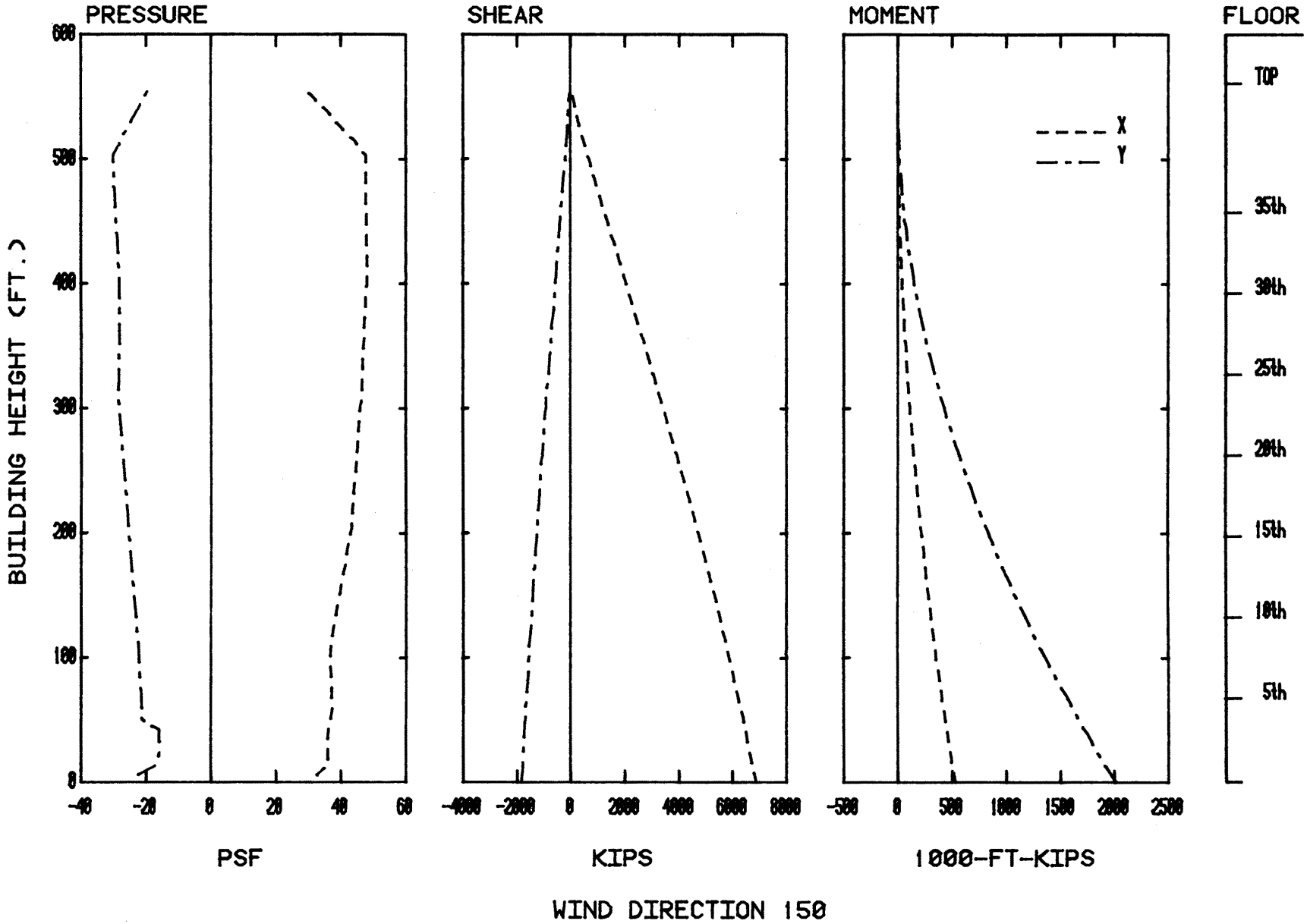


Figure 11. Load, Shear, and Moment Diagrams for Selected Wind Directions

TABLES

TABLE 1

MOTION PICTURE SCENE GUIDE

Run #	Approach Wind Azimuth, degrees
1	0
2	45
3	90
4	135
5	180
6	225
7	270
8	315

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

YORKTOWN TOWER II, HOUSTON

LOCATION 1

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	70.8	11.4	105.0
22.50	61.3	12.7	99.4
45.00	50.5	16.5	99.8
67.50	29.5	12.6	67.3
90.00	27.8	10.2	58.5
112.50	29.6	10.7	61.6
135.00	40.4	10.9	73.0
157.50	54.1	13.0	93.2
180.00	56.8	14.3	99.7
202.50	62.5	12.4	99.7
225.00	59.6	13.2	99.2
247.50	56.1	11.9	91.8
270.00	46.4	11.8	81.7
292.50	38.4	14.9	83.1
315.00	37.4	10.1	67.7
337.50	58.6	11.2	92.3

LOCATION 2

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	60.9	14.8	105.2
22.50	42.3	14.5	85.8
45.00	22.9	8.0	46.9
67.50	25.7	7.8	49.2
90.00	40.0	9.1	67.5
112.50	41.6	14.9	86.1
135.00	55.3	19.9	115.1
157.50	66.0	17.4	118.1
180.00	43.2	14.8	87.7
202.50	21.4	7.0	42.3
225.00	21.3	7.2	42.8
247.50	32.1	10.5	63.6
270.00	49.5	13.2	89.1
292.50	68.5	12.5	106.1
315.00	75.6	13.3	115.4
337.50	68.2	14.2	110.7

LOCATION 3

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	79.1	13.9	120.9
22.50	55.8	16.2	104.3
45.00	27.1	11.2	60.8
67.50	52.6	13.8	94.1
90.00	57.0	16.6	106.9
112.50	44.5	25.3	120.5
135.00	41.0	25.4	117.2
157.50	22.3	12.0	58.4
180.00	18.2	8.6	43.9
202.50	16.0	6.3	35.0
225.00	20.7	8.4	45.8
247.50	20.9	8.6	46.9
270.00	61.6	14.6	105.3
292.50	78.6	12.7	116.7
315.00	86.9	11.3	120.8
337.50	87.5	12.2	124.0

LOCATION 4

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	25.5	9.8	54.8
22.50	31.7	11.6	66.6
45.00	48.2	12.8	86.7
67.50	60.5	13.7	101.5
90.00	56.5	17.9	110.1
112.50	43.5	21.6	108.4
135.00	26.7	12.6	64.5
157.50	21.4	9.7	50.5
180.00	17.1	7.2	38.8
202.50	20.7	8.4	45.8
225.00	18.0	7.7	41.0
247.50	23.9	11.1	57.1
270.00	53.8	16.2	102.5
292.50	63.0	15.7	110.2
315.00	56.6	13.8	97.9
337.50	40.2	11.0	73.3

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

YORKTOWN TOWER II, HOUSTON

LOCATION 5

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	29.4	13.9	71.1
22.50	49.7	15.0	94.7
45.00	65.9	14.1	108.0
67.50	67.9	12.4	105.1
90.00	53.4	18.6	109.2
112.50	39.0	21.1	102.2
135.00	23.9	11.3	57.9
157.50	21.4	10.0	51.3
180.00	20.2	8.9	46.9
202.50	22.9	11.5	57.4
225.00	25.8	12.0	61.7
247.50	48.3	16.1	96.5
270.00	63.4	16.4	112.5
292.50	74.2	15.3	120.0
315.00	61.2	14.5	104.7
337.50	35.0	15.2	80.7

LOCATION 6

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	49.9	11.2	83.5
22.50	55.4	11.4	89.5
45.00	48.0	15.6	94.9
67.50	26.5	11.9	62.4
90.00	33.2	14.7	77.3
112.50	23.7	11.7	58.8
135.00	18.5	7.3	40.5
157.50	22.5	8.9	49.3
180.00	24.2	9.1	51.6
202.50	34.8	13.6	75.6
225.00	31.3	14.9	75.9
247.50	42.3	16.7	92.5
270.00	33.1	13.9	74.9
292.50	28.5	10.6	60.2
315.00	30.4	10.3	61.2
337.50	41.0	10.9	73.6

LOCATION 7

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	45.6	13.7	86.6
22.50	45.2	13.8	86.7
45.00	37.5	12.8	76.1
67.50	27.3	10.7	59.5
90.00	28.2	10.1	58.6
112.50	32.9	13.0	71.9
135.00	27.7	12.2	64.3
157.50	63.2	19.2	120.9
180.00	60.9	14.8	105.4
202.50	58.0	14.0	99.9
225.00	56.0	15.5	102.4
247.50	33.2	15.3	79.0
270.00	49.6	20.1	109.8
292.50	54.9	17.6	107.6
315.00	51.2	16.3	100.1
337.50	45.8	16.7	96.1

LOCATION 8

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	79.5	10.7	111.6
22.50	69.5	9.8	98.7
45.00	51.7	10.6	83.4
67.50	27.9	10.2	58.5
90.00	37.6	16.2	86.4
112.50	39.8	18.6	95.7
135.00	64.6	20.5	126.1
157.50	68.1	15.0	113.1
180.00	56.4	12.9	95.0
202.50	55.5	12.0	91.6
225.00	50.5	12.4	87.7
247.50	45.3	11.2	79.0
270.00	40.6	16.4	89.8
292.50	63.7	11.9	99.5
315.00	69.0	11.1	102.2
337.50	75.9	11.6	110.6

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

YORKTOWN TOWER II, HOUSTON

LOCATION 9

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	58.5	14.3	101.3
22.50	56.6	13.5	97.1
45.00	48.2	11.8	83.6
67.50	34.4	11.0	67.4
90.00	56.8	18.5	112.2
112.50	66.5	13.6	107.3
135.00	68.1	14.0	110.0
180.00	31.9	12.7	69.9
202.50	32.7	10.3	63.6
225.00	46.3	14.1	88.7
247.50	59.1	14.4	102.2
270.00	47.1	18.3	102.0
292.50	40.5	18.8	96.9
315.00	57.8	14.7	101.9
337.50	63.5	14.1	105.8

LOCATION 10

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	23.6	10.2	54.3
22.50	23.9	11.4	58.0
45.00	19.1	6.5	38.6
67.50	19.4	8.2	43.9
90.00	60.2	15.0	105.2
112.50	56.2	13.0	95.2
135.00	56.7	12.7	94.9
157.50	56.7	9.8	86.1
180.00	45.4	10.2	76.1
202.50	35.5	15.0	80.5
225.00	34.7	13.3	74.7
247.50	52.2	12.2	88.7
270.00	55.0	15.3	100.8
292.50	73.7	21.5	138.1
315.00	51.9	23.0	120.9
337.50	25.5	12.6	63.3

LOCATION 11

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	39.7	15.5	86.1
22.50	58.6	11.5	93.2
45.00	50.5	8.7	76.7
67.50	42.3	9.9	71.9
90.00	45.8	13.9	87.3
112.50	49.0	12.6	86.8
135.00	34.5	12.7	72.5
157.50	30.7	12.1	67.1
180.00	35.9	10.2	66.4
202.50	47.4	13.2	87.0
225.00	35.6	12.8	74.0
247.50	36.4	9.6	65.3
270.00	35.7	11.5	70.2
292.50	50.8	13.0	89.9
315.00	58.0	17.6	110.8
337.50	38.1	18.1	92.3

LOCATION 12

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	49.3	13.1	88.5
22.50	61.2	10.2	91.8
45.00	51.4	8.1	75.6
67.50	48.0	9.0	75.0
90.00	43.9	8.0	68.0
112.50	38.8	8.6	64.7
135.00	21.3	9.1	48.5
157.50	35.8	16.2	84.4
180.00	50.0	15.2	95.7
202.50	61.4	18.7	117.4
225.00	51.4	16.0	99.4
247.50	59.0	13.8	100.5
270.00	46.3	18.6	102.0
292.50	43.4	16.0	91.4
315.00	30.5	13.5	71.0
337.50	19.1	6.9	39.8

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

YORKTOWN TOWER II, HOUSTON

LOCATION 13

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	39.7	15.7	86.8
22.50	45.8	14.6	89.5
45.00	28.3	8.8	54.7
67.50	29.2	9.6	58.1
90.00	32.3	10.5	63.9
112.50	29.9	10.3	60.7
135.00	21.2	8.6	47.0
157.50	23.8	5.1	39.0
180.00	27.6	5.4	43.7
202.50	33.9	6.7	54.0
225.00	34.0	7.6	56.8
247.50	35.4	8.0	59.5
270.00	30.1	8.2	54.8
292.50	37.7	8.8	64.0
315.00	34.5	8.7	60.7
337.50	21.9	8.1	46.1

LOCATION 14

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	27.2	12.6	65.0
22.50	35.3	12.1	71.4
45.00	26.7	7.5	49.3
67.50	27.3	5.9	45.2
90.00	30.3	8.7	56.4
112.50	28.1	8.5	53.7
135.00	25.5	6.8	46.1
157.50	33.9	6.5	53.5
180.00	35.8	6.1	54.1
202.50	42.1	6.7	62.1
225.00	37.6	7.6	60.4
247.50	37.9	7.6	60.8
270.00	34.8	9.7	63.8
292.50	43.0	9.1	70.4
315.00	39.5	10.5	71.0
337.50	33.4	12.2	69.9

LOCATION 15

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	22.7	8.6	48.5
22.50	27.8	11.6	62.5
45.00	29.8	11.3	63.6
67.50	13.6	4.2	26.1
90.00	21.4	9.6	50.1
112.50	33.7	7.2	55.3
135.00	37.6	7.7	60.7
157.50	31.7	10.1	61.9
180.00	34.1	5.4	50.2
202.50	33.9	5.4	50.0
225.00	28.0	8.4	53.1
247.50	24.4	8.6	50.0
270.00	20.7	7.4	43.0
292.50	26.4	8.8	52.9
315.00	25.6	9.6	54.4
337.50	24.2	9.3	52.2

LOCATION 16

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	69.2	14.8	113.7
22.50	65.4	10.9	98.1
45.00	40.6	14.7	84.7
67.50	30.1	11.2	63.6
90.00	53.6	14.9	98.2
112.50	63.9	11.8	99.4
135.00	63.9	10.7	96.1
157.50	62.2	13.6	103.1
180.00	48.2	11.0	81.2
202.50	37.4	7.6	60.1
225.00	23.2	9.4	51.4
247.50	16.6	5.2	32.2
270.00	31.2	13.1	70.4
292.50	20.0	6.9	40.6
315.00	27.8	13.7	68.9
337.50	58.7	27.2	140.4

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

YORKTOWN TOWER II, HOUSTON

LOCATION 17

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	57.4	13.9	99.2
22.50	43.1	13.5	83.5
45.00	23.8	8.0	47.8
67.50	23.2	8.3	48.0
90.00	26.1	10.0	55.9
112.50	49.6	15.9	97.4
135.00	53.7	14.9	98.6
157.50	47.5	14.0	89.5
180.00	29.9	10.7	61.9
202.50	18.5	5.9	36.2
225.00	17.3	5.2	32.9
247.50	17.4	5.4	33.7
270.00	22.8	9.0	49.9
292.50	27.5	11.3	61.4
315.00	54.2	22.5	121.8
337.50	72.4	18.4	127.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

HOUSTON, TEXAS INTERNATIONAL AIRPORT (1951-1960)

SEASON : ANNUAL NO. OF OBS.= 87672 HT OF MEAS = 87. FT

VELOCITY LEVELS IN MPH

DIRECTION	0- 3	4- 7	8-12	13-18	19-24	25-31	32-38	39-46	47 +	TOTAL
N	.26	.83	1.87	1.75	.61	.13	.01	.02	0.00	5.46
NNE	.23	.93	1.48	1.44	.54	.13	.05	0.00	0.00	4.80
NE	.29	1.05	2.08	1.44	.36	.11	.04	.01	.01	5.38
ENE	.36	1.24	2.80	2.16	.43	.11	.01	0.00	0.00	7.12
E	.32	1.18	2.30	1.23	.32	.11	.01	0.00	0.00	5.47
ESE	.41	1.87	3.09	2.27	.55	.15	.01	0.00	0.00	8.36
SE	.36	1.40	3.93	3.24	1.10	.21	.07	.06	0.00	10.36
SSE	.37	1.75	4.55	4.70	2.06	.34	.08	.06	0.00	13.92
S	.33	1.53	3.30	2.93	.90	.18	.04	0.00	0.00	9.21
SSW	.31	1.12	2.23	1.65	.52	.14	.03	0.00	0.00	5.99
SW	.28	.94	1.35	.74	.23	.10	.01	0.00	0.00	3.66
WSW	.27	.90	1.23	.66	.23	.07	.03	.01	0.00	3.40
W	.20	.67	.87	.39	.18	.08	.02	.01	0.00	2.40
WNW	.24	.78	1.17	.81	.39	.11	.03	.01	.01	3.56
NW	.20	.76	1.30	.96	.47	.12	.04	.03	.01	3.89
NNW	.22	.79	1.70	1.89	.78	.20	.04	.05	.04	5.70
CALM	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33
TOT	5.97	17.73	35.25	28.26	9.67	2.29	.50	.26	.07	100.00

TABLE 4

SUMMARY OF WIND EFFECTS ON PEOPLE

	Beaufort number	Speed (mph)	Effects
Calm, light air	0, 1	0- 3	Calm, no noticeable wind
Light breeze	2	4- 7	Wind felt on face
Gentle breeze	3	8-12	Wind extends light flag Hair is disturbed Clothing flaps
Moderate breeze	4	13-18	Raises dust, dry soil and loose paper Hair disarranged
Fresh breeze	5	19-24	Force of wind felt on body Drifting snow becomes airborne Limit of agreeable wind on land
Strong breeze	6	25-31	Umbrellas used with difficulty Hair blown straight Difficult to walk steadily Wind noise on ears unpleasant Windborne snow above head height (blizzard)
Near gale	7	32-38	Inconvenience felt when walking
Gale	8	39-46	Generally impedes progress Great difficulty with balance in gusts
Strong gale	9	47-54	People blown over by gusts

Note: Table from Reference 4, p. 40.

TABLE 5

CALCULATION OF REFERENCE PRESSURE

1. Basic wind speed from ANSI A58.1 (Ref. 6):

   100-yr fastest mile at 30 ft = 90 mph

   Mean hourly wind speed = $\frac{90}{1.28}$ = 70.3 mph

   Mean hourly gradient wind speed = $70.3 \left(\frac{1000}{30}\right)^{.17}$ = 127.6 mph

   Mean hourly wind at reference location = U_∞ = gradient wind = 127.6 mph

   Reference Pressure = $0.5 \rho U_\infty^2 = (.00256)\ (127.6)^2$ = 41.7

   Use 42 psf

2. Loads for 50-yr recurrence wind:

   50-yr fastest mile at 30 ft = 76 mph

   Multiply 100-yr loads by $\left(\frac{76}{90}\right)^2$ = 0.71

3. Gust load factors to convert hourly mean integrated loads to various gust durations (see Sect. 4.4):

Gust Duration, sec	Gust Load Factor
10 - 15	$(1.4)^2$ = 1.96
30	$(1.32)^2$ = 1.74
45	$(1.26)^2$ = 1.59

   The 30 second gust load factor was used in Table 7.

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : YORKTOWN TOWER II, HOUSTON
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 42.6 PSF

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PSF ----	POSITIVE PEAK ----
101	110	-1.95	-81.8	34.8
102	130	-1.59	-66.8	31.4
103	120	-1.77	-74.3	35.2
104	110	-1.49	-62.6	30.9
105	110	-1.52	-63.9	32.8
106	110	-1.48	-62.4	28.8
107	120	-1.41	-59.4	32.6
108	110	-1.57	-66.0	31.2
109	280	-1.85	-77.5	36.4
110	120	-1.90	-79.9	44.9
111	120	-2.12	-89.0	45.1
112	110	-1.83	-76.9	44.9
113	110	-1.56	-65.4	45.8
114	280	-1.55	-65.1	47.0
115	290	-1.48	-62.2	45.2
116	110	-1.31	-55.0	45.1
117	110	-1.64	-69.1	48.8
118	110	-2.24	-94.0	46.3
119	110	-1.50	-63.0	44.8
120	110	-1.32	-55.5	44.8
121	110	-1.33	-55.8	43.3
122	100	-1.32	-55.4	45.2
123	290	-1.24	-52.2	44.9
124	290	-1.30	-54.4	45.0
125	280	-1.29	-54.0	44.9
126	110	-1.78	-74.6	41.2
127	110	-2.38	-100.0	40.6
128	110	-1.62	-68.2	41.6
129	110	-1.46	-61.4	42.9
130	270	-1.88	-78.9	38.6
131	270	-1.64	-68.9	38.7
132	280	-1.38	-58.0	42.9
133	110	-1.79	-75.3	45.6
134	110	-1.96	-82.4	43.6
135	110	-1.57	-66.0	43.3
136	110	-1.54	-64.8	43.1
137	110	-1.44	-60.5	41.6
138	250	-1.26	-52.8	39.6
139	270	-1.52	-64.0	39.6
140	260	-1.48	-62.2	40.0
141	260	-1.43	-60.2	40.9
142	110	-1.46	-61.4	31.2
143	120	-1.47	-61.8	34.1
144	110	-1.48	-62.0	47.7
145	110	-1.38	-57.9	45.0
146	260	-1.51	-63.4	41.4
147	110	-1.60	-67.3	37.9
148	120	-1.45	-60.9	34.2
149	120	-1.74	-72.9	35.0
150	120	-1.43	-60.1	34.8
151	160	-1.10	-46.1	37.1
152	110	-1.26	-52.8	37.8
153	130	-1.25	-52.3	39.1
154	110	-1.19	-50.0	39.4
155	110	-1.09	-45.6	39.4
156	120	-1.01	-38.5	42.3
157	290	-1.02	-42.9	38.7
201	20	-1.74	-73.0	34.1
202	40	-1.39	-58.3	34.3
203	120	-1.48	-62.2	32.7
204	210	-1.83	-76.9	30.7
205	220	-1.71	-71.7	30.8
206	230	-1.53	-64.1	33.6
207	230	-1.85	-77.7	40.7
208	230	-1.83	-77.0	42.1
209	200	-1.15	-48.3	43.5
210	30	-1.14	-48.1	45.3
211	40	-1.19	-49.8	47.0
212	220	-1.24	-51.9	46.0
213	230	-1.47	-61.8	46.9
214	230	-1.65	-69.2	47.1
215	230	-1.65	-69.4	47.1
216	230	-1.63	-68.4	51.1
217	220	-1.44	-60.5	45.9
218	30	-1.25	-52.4	45.4
219	40	-1.32	-55.6	46.9
220	230	-1.23	-51.5	47.7
221	220	-1.45	-60.7	46.0
222	230	-1.75	-73.3	45.0
223	220	-1.41	-59.1	49.7
224	240	-1.33	-55.8	50.3
225	210	-1.21	-51.0	46.9
226	210	-1.18	-49.6	46.8
227	50	-1.31	-54.9	42.2
228	230	-1.33	-55.7	43.7
229	220	-1.84	-77.2	46.4
230	230	-1.89	-79.3	44.2
231	240	-2.73	-114.5	42.5
232	240	-2.54	-106.5	41.1
233	220	-1.33	-56.0	36.1
234	110	-2.04	-85.9	37.1
235	50	-1.39	-58.5	45.6
236	210	-1.43	-60.0	39.8
237	210	-1.52	-63.8	40.2
238	230	-2.29	-96.3	40.9
239	230	-1.73	-72.5	30.8
240	230	-1.78	-74.9	23.4
241	50	-1.35	-56.8	37.7
242	50	-1.36	-57.0	37.8
243	60	-1.31	-55.1	31.4
244	210	-1.57	-66.1	34.1
245	220	-1.33	-55.7	36.1
246	230	-1.52	-64.0	33.4
247	230	-1.88	-78.8	27.1
248	230	-1.67	-70.3	18.2
249	120	-1.51	-63.5	37.3
250	210	-1.45	-60.9	38.6
251	230	-1.62	-67.9	32.5
252	60	-1.48	-62.2	45.9
253	50	-1.42	-59.7	39.9
254	60	-1.29	-54.4	44.8
255	70	-1.60	-67.1	41.4
256	120	1.13	-42.2	47.3
257	120	1.11	-45.9	46.6
258	120	-1.41	-59.0	49.9
259	120	.98	-38.2	41.0
260	120	1.11	-39.1	46.6
261	210	-1.09	-46.0	45.1
262	230	-1.23	-51.5	43.0
263	230	-1.46	-61.4	51.8
264	230	-2.15	-90.2	27.9
265	240	-2.25	-94.4	24.7
301	290	-2.34	-98.2	40.9
302	290	-1.72	-72.1	37.5
303	170	-2.24	-93.9	39.3
304	290	-1.68	-70.6	51.0
305	170	-2.35	-98.7	51.3
306	170	-2.01	-84.2	50.1
307	290	-1.75	-73.5	49.1
308	290	-2.13	-89.4	50.6
309	290	-2.33	-97.7	53.6
310	290	-2.30	-96.6	39.1
311	290	-2.40	-100.9	45.1
312	290	-2.47	-103.5	43.2
313	280	-2.09	-87.7	42.2
314	280	-2.23	-93.7	45.7
315	290	-1.73	-72.7	39.7
316	290	-1.83	-76.7	35.9
317	290	-1.97	-82.8	43.3
318	290	-2.40	-100.9	32.2
319	170	-.84	-35.1	31.1
320	80	-1.07	-45.1	24.3
321	190	.96	-29.6	40.3
322	20	.60	-23.0	25.1

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : YORKTOWN TOWER II, HOUSTON
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 42.0 PSF

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PSF	POSITIVE PEAK ----
323	90	.82	-30.8	34.3
324	290	-1.43	-59.9	33.9
325	290	-1.72	-72.4	37.5
326	320	-1.85	-77.6	26.6
401	270	-2.06	-86.4	39.7
402	270	-1.71	-71.9	37.8
403	290	-1.62	-68.0	36.5
404	290	-1.54	-64.7	35.5
405	280	-1.66	-69.7	36.3
406	100	-1.90	-79.6	35.7
407	100	-1.83	-76.7	37.9
408	290	-1.36	-57.3	50.0
409	300	-1.75	-73.6	52.3
410	290	-1.45	-60.8	55.8
411	290	-1.40	-58.9	57.0
412	290	-1.76	-74.1	46.6
413	290	-1.46	-61.4	47.5
414	100	-1.50	-63.2	48.4
415	100	-1.37	-57.6	46.5
416	300	-1.49	-62.6	52.2
417	290	-1.66	-69.8	51.3
418	290	-2.02	-84.8	51.1
419	290	-1.49	-62.7	46.4
420	280	-1.47	-61.7	51.3
421	100	-1.31	-55.2	52.4
422	100	-1.47	-61.7	44.9
423	300	-1.38	-57.8	43.7
424	290	-1.77	-74.4	45.6
425	290	-2.32	-97.5	44.9
426	290	-1.98	-83.2	43.1
427	290	-1.79	-75.4	40.7
428	280	-1.57	-65.8	41.8
429	90	-1.30	-54.7	41.9
430	90	-1.51	-63.4	38.3
431	100	-1.45	-61.0	39.6
432	290	-1.35	-56.7	46.6
433	270	-1.62	-68.0	40.5
434	290	-1.59	-66.7	37.8
435	280	-1.44	-60.3	37.4
436	300	-1.30	-54.7	37.6
437	100	-1.24	-52.1	40.1
438	100	-1.55	-65.3	38.7
439	100	-1.24	-52.1	36.2
440	300	-1.52	-63.8	28.2
441	290	-1.53	-64.2	26.8
442	290	-1.25	-52.3	24.1
443	290	-1.31	-55.2	24.1
444	310	-1.38	-58.0	25.8
445	310	-1.23	-51.7	28.6
446	70	-1.55	-65.1	24.6
447	70	-1.72	-72.1	34.8
448	100	-1.54	-64.9	28.4
449	290	-1.82	-76.6	17.3
450	290	-1.37	-57.4	19.6
451	310	-.96	-40.4	25.1
452	310	-.80	-33.7	22.7
453	310	-.94	-39.4	22.0
454	280	-1.47	-61.6	22.6
455	280	-1.72	-72.1	28.0
456	300	1.04	1.4	43.7
457	290	-.94	-39.3	32.1
458	330	-.87	-36.6	23.7
459	330	-.85	-35.8	29.5
460	300	.80	-31.7	33.6
461	320	-.80	-33.8	31.5
501	210	-2.48	-104.3	36.8
502	40	-1.46	-61.3	34.2
503	220	-1.44	-60.6	29.1
504	30	-1.72	-72.3	32.5
505	40	-1.82	-76.2	26.8
506	50	-1.83	-76.8	31.1
507	50	-1.63	-68.5	38.8
508	50	-1.54	-64.6	41.5
509	210	-1.48	-62.3	48.1
510	210	-1.47	-61.7	48.3
511	210	-1.29	-54.4	44.7
512	30	-1.26	-53.0	43.5
513	30	-1.34	-56.1	43.4
514	50	-1.46	-61.2	48.2
515	60	-1.24	-52.2	44.5
516	60	-1.22	-51.4	44.3
517	220	-1.30	-54.4	46.4
518	220	-1.43	-59.9	46.6
519	210	-1.32	-55.5	45.9
520	220	-1.18	-49.5	44.6
521	40	-1.43	-60.3	44.4
522	40	-1.56	-65.7	45.1
523	50	-1.38	-58.0	48.2
524	240	-1.19	-50.0	49.3
525	200	-1.58	-66.2	45.9
526	200	-1.56	-65.5	43.8
527	230	-1.44	-60.5	42.1
528	230	-1.31	-55.1	40.2
529	40	-1.39	-58.2	40.6
530	50	-1.99	-83.7	44.2
531	50	-1.93	-80.9	42.6
532	50	-1.91	-80.3	42.1
533	210	-1.54	-64.6	40.4
534	210	-1.61	-67.7	40.4
535	290	-1.53	-64.1	38.7
536	30	-1.18	-49.5	38.1
537	50	-1.52	-63.7	39.7
538	40	-2.41	-101.2	43.0
539	50	-1.57	-66.0	36.9
540	40	-1.48	-62.0	37.2
541	220	-1.38	-57.8	35.0
542	220	-1.48	-62.1	38.0
543	230	-1.18	-49.6	35.5
544	300	-.87	-36.5	28.1
545	30	-1.04	-43.7	28.5
546	40	-1.89	-79.2	33.8
547	40	-1.98	-83.0	36.6
548	40	-1.90	-79.8	39.5
549	240	-1.12	-46.9	21.7
550	310	-1.18	-49.5	41.0
551	30	.98	-39.6	41.2
552	30	.71	-29.2	29.8
553	320	-.77	-32.4	25.6
554	320	-.69	-28.9	24.8
555	200	-.85	-35.7	21.6
556	320	-.67	-28.1	21.8
557	330	.84	-27.5	35.1
558	20	-1.44	-60.3	40.3
559	40	-1.60	-67.4	30.4
560	40	-1.12	-47.1	27.4
601	110	-2.40	-100.7	43.0
602	110	-1.60	-67.3	42.8
603	350	-1.69	-71.1	43.6
604	110	-1.79	-75.0	43.6
605	110	-2.41	-101.4	44.2
606	120	-2.13	-89.6	45.3
607	100	-1.84	-77.1	42.6
608	120	-2.44	-102.3	43.6
609	120	-1.83	-76.7	45.6
610	110	-1.83	-76.9	41.3
611	120	-1.96	-82.1	42.5
612	120	-2.06	-86.7	41.5
613	110	-1.65	-69.1	38.8
614	110	-1.77	-74.2	39.8
615	120	-2.09	-87.6	41.5
616	100	-2.47	-103.9	37.9
617	120	-1.83	-77.0	34.9
618	110	-1.73	-72.5	35.5
619	0	-.80	-33.4	32.8

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : YORKTOWN TOWER II, HOUSTON
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 42.0 PSF

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PSF)	POSITIVE PEAK (PSF)	TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PSF)	POSITIVE PEAK (PSF)	TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PSF)	POSITIVE PEAK (PSF)
620	110	1.04	-31.0	43.7	914	290	-1.65	-69.1	20.2	1019	30	-.80	-33.6	16.9
621	340	.80	-30.0	33.6	915	290	-2.58	-108.2	29.1	1020	20	-.80	-33.8	21.4
622	320	-.88	-36.9	35.9	916	260	-1.36	-57.1	25.2	1021	310	-.81	-34.2	20.3
623	310	.77	-30.9	32.2	917	230	1.29	-48.7	54.4	1022	300	-.84	-35.3	34.6
624	110	-1.80	-75.7	26.6	918	340	-1.13	-47.5	35.8	1023	310	-.73	-30.7	17.8
625	110	-1.59	-66.8	31.3	919	10	-1.40	-58.6	24.5	1024	330	-.74	-30.9	18.4
626	150	-1.39	-58.4	31.6	920	10	1.45	-51.7	61.0	1101	30	-1.09	-45.9	26.1
801	310	-1.25	-52.4	20.9	1001	310	-1.60	-67.2	17.4	1102	10	-1.04	-43.6	39.7
802	190	-1.24	-52.2	22.2	1002	300	-1.40	-58.6	20.2	1103	330	.88	-31.5	37.0
803	330	-.70	-29.5	23.4	1003	310	-1.24	-52.0	23.6	1104	320	-.81	-34.0	20.6
804	20	-1.18	-49.4	31.7	1004	300	-1.03	-43.3	25.8	1105	30	-.76	-31.9	23.1
805	90	-1.01	-42.4	24.2	1005	300	-1.01	-42.3	24.5	1106	20	.82	-26.4	34.6
901	120	-1.39	-58.3	20.4	1006	30	-1.14	-47.7	25.4	1107	170	-.88	-37.1	16.7
902	290	-1.38	-57.8	29.5	1007	20	-1.26	-52.9	25.0	1108	270	-1.08	-45.3	16.6
903	270	-2.27	-95.5	25.3	1008	320	-1.71	-71.9	24.0	1109	270	-1.05	-44.1	19.0
904	280	-1.69	-70.9	24.8	1009	90	-1.69	-71.0	18.7	1201	330	-.60	-25.2	24.8
905	280	-1.36	-57.2	21.8	1010	330	-1.71	-71.8	25.5	1202	330	-.63	-26.5	24.3
906	140	-1.64	-68.9	19.2	1011	340	-1.99	-83.8	19.8	1203	320	-.69	-28.8	21.5
907	340	-1.42	-59.7	14.1	1012	20	-1.57	-65.9	22.6	1204	310	-.71	-29.9	20.9
908	290	-1.54	-64.5	15.3	1013	290	-1.19	-49.9	20.0	1205	330	-.59	-24.9	22.7
909	300	-1.44	-60.5	12.3	1014	300	-1.51	-63.4	31.1	1206	320	.55	-22.2	23.1
910	20	-1.38	-57.9	18.6	1015	290	-1.59	-66.7	20.4	1207	330	-.82	-34.6	19.7
911	120	-2.03	-85.5	24.2	1016	290	-1.22	-51.4	22.3	1208	310	-.78	-32.9	18.4
912	90	-2.39	-100.4	21.4	1017	300	-1.29	-54.3	41.0	1209	310	-.69	-29.2	16.1
913	160	-1.46	-61.1	27.3	1018	310	1.11	-28.4	46.4					

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : YORKTOWN TOWER II, HOUSTON
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 42.0 PSF

* * 15 GREATEST PRESSURE COEFFICIENT MAGNITUDES * *

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PSF	POSITIVE PEAK ----
231	240	-2.73	-114.5	42.5
915	290	-2.58	-108.2	29.1
232	240	-2.54	-106.5	41.1
501	210	-2.48	-104.3	36.8
616	100	-2.47	-103.9	37.0
312	290	-2.47	-103.5	43.2
608	120	-2.44	-102.3	43.0
605	110	-2.41	-101.4	44.2
538	40	-2.41	-101.2	43.0
311	290	-2.40	-100.9	45.1
318	290	-2.40	-100.9	32.2
601	110	-2.40	-100.7	43.0
912	90	-2.39	-100.4	21.4
127	110	-2.38	-100.0	40.6
305	170	-2.35	-98.7	51.3

TABLE 6A. PEAK LOADS FOR CONFIGURATION B : YORKTOWN TOWER II, HOUSTON
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 42.0 PSF

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PSF	POSITIVE PEAK ----
127	110	-2.31	-97.2	13.0
231	236	-1.91	-80.1	48.2
232	236	-2.49	-104.4	43.5
311	284	-2.18	-91.6	46.1
312	288	-2.37	-99.7	54.6
318	286	-1.97	-82.8	36.6
501	214	-2.18	-91.5	16.4
601	104	-2.51	-105.2	21.8
605	114	-2.15	-90.5	16.4
915	288	-2.46	-103.1	27.5

TABLE 6A. PEAK LOADS FOR CONFIGURATION C : YORKTOWN TOWER II, HOUSTON
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 42.0 PSF

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PSF ----	POSITIVE PEAK ---- PSF ----	TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PSF ----	POSITIVE PEAK ---- PSF ----	TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PSF ----	POSITIVE PEAK ---- PSF ----
101	80	-2.03	-85.1	34.3	303	170	-1.76	-74.1	35.1	528	210	-1.37	-57.5	46.7
110	110	-1.58	-66.4	47.1	305	290	-2.02	-84.9	47.0	532	40	-1.41	-59.3	44.1
112	100	-1.98	-83.3	41.6	308	300	-2.35	-98.7	46.0	533	290	-1.43	-59.9	32.4
117	110	-1.60	-67.2	47.9	309	310	-2.23	-93.5	47.0	538	40	-2.32	-97.3	37.9
118	110	-2.32	-97.5	44.9	312	300	-2.62	-109.9	45.4	540	40	-1.75	-73.3	42.3
126	100	-1.47	-61.8	44.4	315	300	-2.40	-101.0	38.6	541	210	-1.76	-74.0	28.4
127	100	-1.86	-78.3	43.5	407	110	-1.76	-73.8	36.9	548	40	-1.69	-71.0	34.3
133	110	-1.87	-78.5	38.9	412	290	-1.68	-70.5	46.6	601	120	-2.48	-104.0	43.4
134	110	-2.32	-97.5	37.6	416	300	-1.71	-71.9	51.6	603	110	-1.48	-62.2	45.4
142	100	-1.50	-63.1	37.2	432	300	-1.58	-66.5	33.0	604	110	-1.97	-82.9	46.6
201	40	-1.54	-64.7	27.3	436	300	-1.76	-73.8	35.3	605	110	-1.72	-72.1	45.7
208	240	-1.74	-73.2	35.6	439	100	-1.44	-60.7	28.9	607	100	-1.70	-71.3	44.5
209	30	-1.39	-58.5	26.2	501	210	-2.32	-97.5	34.6	608	120	-1.94	-81.6	45.0
217	210	-1.34	-56.4	27.7	502	210	-1.59	-66.9	33.7	609	120	-2.24	-93.9	44.7
224	240	-1.42	-59.6	30.7	507	50	-1.34	-56.1	36.4	610	100	-1.82	-76.3	41.0
225	210	-1.28	-54.0	30.1	508	310	-1.45	-61.0	41.5	611	110	-2.30	-96.5	41.5
231	210	-1.78	-74.8	35.6	509	290	-1.56	-65.7	44.9	612	120	-1.90	-79.7	41.9
232	210	-1.72	-72.4	29.9	516	30	-1.21	-50.8	49.5	613	110	-1.86	-78.1	39.8
233	40	-1.33	-55.8	21.0	517	210	-1.43	-60.1	41.9	616	110	-1.97	-82.8	36.9
248	240	-1.41	-59.0	16.2	524	60	-1.43	-59.9	46.6	912	90	-2.49	-104.6	17.4
252	120	-1.41	-59.0	25.4	525	210	-1.41	-59.4	33.5	915	300	-2.24	-94.0	17.8
302	300	-1.56	-65.7	30.6										

TABLE 6B. COMPARISON OF CONFIGURATIONS A AND C : YORKTOWN TOWER II, HOUSTON
TAPS WHERE ABSOLUTE PEAK LOAD FOR CONFIG. C EXCEEDED THAT FOR CONFIG. A BY 5 PSF
REF. PRESSURE = 42.0 PSF

TAP	AZIMUTH	A CONFIG. PSF LOAD	AZIMUTH	C CONFIG. PSF LOAD
112	110	76.9	100	83.3
134	110	82.4	110	97.5
209	200	48.3	30	58.5
308	290	89.4	300	98.7
312	290	103.5	300	109.9
315	290	72.7	300	101.0
416	300	62.6	300	71.9
432	290	56.7	300	66.5
436	300	54.7	300	73.8
439	100	52.1	100	60.7
502	40	61.3	210	66.9
517	220	54.4	210	60.1
524	240	50.6	60	59.9
540	40	62.0	40	73.3
541	220	57.8	210	74.0
604	110	75.0	110	82.9
609	120	76.7	120	93.9
611	120	82.1	110	96.5
613	110	69.1	110	78.1

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : YORKTOWN TOWER II, HOUSTON
CONFIGURATION A REFERENCE PRESSURE 42.0 GUST FACTOR 1.32

AZIMUTH DEGREES	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
0	-5580.4	2158.6	-625.3	-1595.3	-62.1
10	-5020.2	2467.2	-709.0	-1403.7	-106.1
20	-4516.6	2575.0	-737.8	-1234.4	-142.4
30	-3991.0	2489.7	-707.4	-1077.4	-189.3
40	-2728.3	2025.4	-583.1	-778.3	-222.7
50	-548.6	1698.8	-489.1	-142.1	-188.6
60	1228.7	1479.4	-453.2	339.3	-66.0
70	2036.4	1161.7	-376.6	515.6	91.4
80	2914.6	502.8	-174.1	817.9	226.0
90	3517.3	-138.4	23.7	1023.3	309.7
100	3751.6	-173.2	10.1	1062.1	305.2
110	4957.2	-1003.7	265.1	1420.6	269.8
120	6061.1	-1205.4	335.6	1735.2	214.4
130	6455.7	-1319.8	370.6	1861.1	169.6
140	6679.5	-1537.2	443.8	1947.9	118.5
150	6859.9	-1811.8	528.7	2011.3	74.0
160	6831.5	-1951.0	564.6	2005.7	20.8
170	6388.6	-1855.8	547.6	1890.7	5.0
180	4932.8	-1947.5	586.3	1452.3	-55.0
190	4418.9	-2463.5	731.1	1286.6	-110.1
200	3665.3	-2489.3	734.3	1039.0	-142.5
210	2910.8	-2318.0	691.9	788.4	-162.8
220	2514.4	-1888.4	578.6	662.3	-219.0
230	1599.8	-1605.6	499.9	398.6	-255.4
240	505.1	-1540.1	474.3	50.3	-180.3
250	-517.7	-1438.5	416.9	-284.9	-48.9
260	-1464.7	-1036.3	300.7	-538.6	112.8
270	-2523.7	-233.1	73.6	-811.5	228.0
280	-3467.4	421.5	-96.3	-1034.3	292.7
290	-4625.5	942.7	-237.2	-1356.9	299.9
300	-5326.0	864.2	-215.9	-1537.0	239.7
310	-5864.2	1018.9	-272.6	-1715.7	199.0
320	-6184.2	1289.3	-355.1	-1809.5	132.8
330	-6361.6	1515.5	-428.1	-1851.5	80.3
340	-6093.9	1709.4	-491.6	-1769.4	34.5
350	-5773.0	1812.7	-519.2	-1667.4	-7.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 0 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	-107.4	45.1	3589	1363	-29.9	28.9	-5580.4	2158.6	-625.3	-1595.3	-62.1
DUMY	12.50	-46.1	26.0	1457	1110	-31.6	23.4	-5473.0	2113.5	-598.6	-1526.2	-62.4
2ND	18.50	-136.7	76.9	4372	3330	-31.3	22.8	-5426.9	2087.5	-586.0	-1493.5	-62.1
3RD	36.50	-87.2	43.1	2793	2128	-31.2	20.2	-5290.2	2011.5	-549.1	-1397.0	-61.1
DUMY	48.00	-36.1	14.0	1154	500	-31.3	27.9	-5203.0	1968.4	-526.2	-1336.7	-60.8
4TH	52.00	-141.8	53.7	4472	1938	-31.7	27.7	-5166.9	1954.5	-518.4	-1316.0	-60.7
5TH	67.50	-120.7	44.5	3751	1625	-32.2	27.4	-5025.2	1900.8	-488.5	-1237.0	-60.2
6TH	80.50	-122.3	44.0	3751	1625	-32.6	27.1	-4904.5	1856.3	-464.1	-1172.4	-59.6
7TH	93.50	-123.9	43.5	3751	1625	-33.0	26.7	-4782.2	1812.3	-440.2	-1109.5	-59.0
8TH	106.50	-125.7	43.6	3751	1625	-33.5	26.9	-4658.4	1768.9	-416.9	-1048.1	-58.1
9TH	119.50	-127.2	44.2	3751	1625	-33.9	27.2	-4532.7	1725.2	-394.2	-988.4	-57.3
10TH	132.50	-128.8	44.7	3751	1625	-34.3	27.5	-4405.4	1681.1	-372.1	-930.3	-56.4
11TH	145.50	-130.4	45.2	3751	1625	-34.8	27.8	-4276.6	1636.4	-350.5	-873.8	-55.4
12TH	158.50	-131.9	45.8	3751	1625	-35.2	28.2	-4146.3	1591.1	-329.5	-819.1	-54.4
13TH	171.50	-133.5	46.3	3751	1625	-35.6	28.5	-4014.3	1545.4	-309.1	-766.0	-53.4
14TH	184.50	-135.1	46.8	3751	1625	-36.0	28.8	-3880.9	1499.1	-289.4	-714.7	-52.4
15TH	197.50	-136.5	47.3	3751	1625	-36.4	29.1	-3745.8	1452.3	-270.2	-665.1	-51.3
16TH	210.50	-136.5	47.4	3751	1625	-36.4	29.2	-3609.3	1404.9	-251.6	-617.3	-50.2
17TH	223.50	-136.4	47.5	3751	1625	-36.4	29.2	-3472.7	1357.5	-233.6	-571.3	-49.0
18TH	236.50	-136.3	47.6	3751	1625	-36.3	29.3	-3336.3	1310.0	-216.3	-527.0	-47.8
19TH	249.50	-136.2	47.7	3751	1625	-36.3	29.4	-3200.0	1262.4	-199.6	-484.6	-46.4
20TH	262.50	-136.1	47.8	3751	1625	-36.3	29.4	-3063.8	1214.6	-183.5	-443.8	-45.0
21ST	275.50	-136.0	47.9	3751	1625	-36.3	29.5	-2927.7	1166.8	-168.0	-404.9	-43.5
22ND	288.50	-135.9	48.1	3751	1625	-36.2	29.6	-2791.7	1118.8	-153.2	-367.7	-42.0
23RD	301.50	-136.0	48.5	3751	1625	-36.3	29.8	-2655.8	1070.8	-138.9	-332.3	-40.3
24TH	314.50	-136.6	49.4	3751	1625	-36.4	30.4	-2519.7	1022.3	-125.3	-298.7	-38.6
25TH	327.50	-137.2	50.4	3751	1625	-36.6	31.0	-2383.1	972.9	-112.3	-266.8	-36.9
26TH	340.50	-137.8	51.4	3751	1625	-36.7	31.6	-2245.9	922.4	-100.0	-236.7	-35.1
27TH	353.50	-138.3	52.3	3751	1625	-36.9	32.2	-2108.2	871.1	-88.4	-208.4	-33.3
28TH	366.50	-138.9	53.3	3751	1625	-37.0	32.8	-1969.9	818.7	-77.4	-181.9	-31.4
29TH	379.50	-139.5	54.3	3751	1625	-37.2	33.4	-1831.0	765.4	-67.1	-157.2	-29.5
30TH	392.50	-140.0	55.2	3751	1625	-37.3	34.0	-1691.5	711.2	-57.5	-134.3	-27.5
31ST	405.50	-140.2	56.1	3751	1625	-37.4	34.5	-1551.5	656.0	-48.6	-113.2	-25.4
32ND	418.50	-140.3	56.9	3751	1625	-37.4	35.0	-1411.3	599.9	-40.4	-94.0	-23.4
33RD	431.50	-140.3	57.6	3751	1625	-37.4	35.5	-1271.0	543.0	-33.0	-76.5	-21.2
34TH	444.50	-140.4	58.4	3751	1625	-37.4	35.9	-1130.6	485.4	-26.3	-60.9	-19.0
35TH	457.50	-140.5	59.2	3751	1625	-37.5	36.4	-990.2	427.0	-20.4	-47.1	-16.8
36TH	470.50	-140.5	59.9	3751	1625	-37.5	36.9	-849.8	367.8	-15.2	-35.2	-14.5
37TH	483.50	-140.6	60.7	3751	1625	-37.5	37.4	-709.2	307.9	-10.8	-25.0	-12.2
38TH	496.50	-140.4	61.5	3751	1625	-37.4	37.8	-568.6	247.1	-7.2	-16.7	-9.8
39TH	509.50	-127.6	56.9	3751	1625	-34.0	34.5	-428.2	185.7	-4.4	-10.3	-7.3
40TH	522.50	-130.2	56.7	4328	1875	-30.1	30.2	-300.7	129.7	-2.4	-5.5	-5.1
41ST	537.50	-118.8	51.1	4616	2000	-25.7	25.5	-170.5	73.0	-.8	-2.0	-2.8
ROOF	553.50	-51.7	21.9	2308	1000	-22.4	21.9	-51.7	21.9	-.1	-.2	-.8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 10 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	-99.9	50.7	3589	1563	-27.8	32.5	-5020.2	2467.2	-709.0	-1403.7	-106.1
DUMY	12.50	-42.0	31.4	1457	1110	-28.9	28.3	-4920.3	2416.5	-678.5	-1341.6	-105.8
2ND	18.50	-125.1	89.8	4372	3330	-28.6	27.0	-4878.2	2385.1	-664.1	-1312.2	-104.9
3RD	36.50	-80.1	50.9	2793	2128	-28.7	23.9	-4753.2	2295.3	-621.9	-1225.5	-102.0
DUMY	48.00	-33.5	15.3	1154	500	-29.0	30.7	-4673.1	2244.4	-595.8	-1171.3	-100.5
4TH	52.00	-132.1	59.3	4472	1938	-29.5	30.6	-4639.5	2229.1	-586.9	-1152.7	-100.1
5TH	67.50	-113.8	49.5	3751	1625	-30.3	30.5	-4507.5	2169.8	-552.8	-1081.8	-98.6
6TH	80.50	-116.6	49.3	3751	1625	-31.1	30.3	-4393.7	2120.3	-524.9	-1023.9	-97.2
7TH	93.50	-119.4	49.1	3751	1625	-31.8	30.2	-4277.1	2071.0	-497.7	-967.6	-95.6
8TH	106.50	-121.1	49.5	3751	1625	-32.3	30.5	-4157.7	2021.8	-471.1	-912.8	-93.8
9TH	119.50	-122.1	50.4	3751	1625	-32.6	31.0	-4036.5	1972.3	-445.1	-859.5	-91.9
10TH	132.50	-123.0	51.2	3751	1625	-32.8	31.5	-3914.5	1921.9	-419.8	-807.8	-90.0
11TH	145.50	-124.0	52.0	3751	1625	-33.1	32.0	-3791.4	1870.7	-395.1	-757.7	-87.9
12TH	158.50	-124.9	52.8	3751	1625	-33.3	32.5	-3667.5	1818.7	-371.1	-709.2	-85.9
13TH	171.50	-125.8	53.7	3751	1625	-33.6	33.0	-3542.6	1765.9	-347.8	-662.4	-83.7
14TH	184.50	-126.8	54.5	3751	1625	-33.8	33.5	-3416.7	1712.2	-325.2	-617.1	-81.4
15TH	197.50	-127.7	55.3	3751	1625	-34.0	34.0	-3289.9	1657.7	-303.3	-573.5	-79.1
16TH	210.50	-126.9	55.5	3751	1625	-33.8	34.2	-3162.3	1602.4	-282.1	-531.6	-76.8
17TH	223.50	-125.9	55.7	3751	1625	-33.6	34.3	-3035.4	1546.9	-261.7	-491.3	-74.3
18TH	236.50	-125.0	56.0	3751	1625	-33.3	34.4	-2909.5	1491.2	-241.9	-452.7	-71.9
19TH	249.50	-124.1	56.2	3751	1625	-33.1	34.6	-2784.5	1435.2	-222.9	-415.7	-69.4
20TH	262.50	-123.1	56.4	3751	1625	-32.8	34.7	-2660.4	1379.1	-204.6	-380.3	-66.9
21ST	275.50	-122.2	56.6	3751	1625	-32.6	34.8	-2537.3	1322.7	-187.1	-346.5	-64.4
22ND	288.50	-121.2	56.8	3751	1625	-32.3	35.0	-2415.1	1266.1	-170.2	-314.3	-61.8
23RD	301.50	-120.7	57.3	3751	1625	-32.2	35.2	-2293.9	1209.3	-154.1	-283.7	-59.2
24TH	314.50	-120.9	58.2	3751	1625	-32.2	35.8	-2173.2	1152.0	-138.8	-254.7	-56.6
25TH	327.50	-121.2	59.2	3751	1625	-32.3	36.4	-2052.3	1093.8	-124.2	-227.2	-53.9
26TH	340.50	-121.4	60.1	3751	1625	-32.4	37.0	-1931.1	1034.6	-110.4	-201.3	-51.1
27TH	353.50	-121.7	61.1	3751	1625	-32.4	37.6	-1809.6	974.5	-97.3	-177.0	-48.3
28TH	366.50	-121.9	62.1	3751	1625	-32.5	38.2	-1687.9	913.4	-85.0	-154.3	-45.3
29TH	379.50	-122.2	63.0	3751	1625	-32.6	38.8	-1566.0	851.3	-73.6	-133.2	-42.3
30TH	392.50	-122.5	64.0	3751	1625	-32.7	39.4	-1443.8	788.3	-62.9	-113.5	-39.3
31ST	405.50	-122.2	64.6	3751	1625	-32.6	39.7	-1321.3	724.3	-53.1	-95.6	-36.1
32ND	418.50	-121.7	64.8	3751	1625	-32.5	39.9	-1199.1	659.7	-44.1	-79.2	-32.9
33RD	431.50	-121.2	65.0	3751	1625	-32.3	40.0	-1077.4	595.0	-35.9	-64.4	-29.7
34TH	444.50	-120.7	65.3	3751	1625	-32.2	40.2	-956.1	529.9	-28.6	-51.2	-26.5
35TH	457.50	-120.2	65.5	3751	1625	-32.1	40.3	-835.4	464.7	-22.1	-39.5	-23.2
36TH	470.50	-119.7	65.7	3751	1625	-31.9	40.5	-715.2	399.2	-16.5	-29.4	-20.0
37TH	483.50	-119.2	66.0	3751	1625	-31.8	40.6	-595.5	333.4	-11.8	-20.9	-16.7
38TH	496.50	-118.5	66.2	3751	1625	-31.6	40.7	-476.3	267.5	-7.9	-14.0	-13.4
39TH	509.50	-107.2	60.4	3751	1625	-28.6	37.1	-357.8	201.3	-4.8	-8.5	-10.1
40TH	522.50	-109.0	61.3	4328	1875	-25.2	32.7	-250.6	140.9	-2.6	-4.6	-7.1
41ST	537.50	-98.9	55.6	4616	2000	-21.4	27.8	-141.6	79.6	-.9	-1.6	-4.0
ROOF	553.50	-42.7	24.0	2308	1000	-18.5	24.0	-42.7	24.0	-.1	-.2	-1.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 20 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
1ST	0.00	-85.1	49.2	3589	1563	-23.7	31.5	-4516.6	2575.0	-737.8	-1234.4	-142.4
DUMY	12.50	-35.9	33.7	1457	1110	-24.6	30.4	-4431.5	2525.8	-706.0	-1178.5	-141.7
2ND	18.50	-108.5	97.0	4372	3330	-24.8	29.1	-4395.6	2492.0	-690.9	-1152.0	-140.3
3RD	36.50	-70.5	55.7	2793	2128	-25.3	26.2	-4287.1	2395.0	-646.9	-1073.8	-136.1
DUMY	48.00	-30.4	15.4	1154	500	-26.4	30.9	-4216.5	2339.3	-619.7	-1024.9	-133.8
4TH	52.00	-120.8	59.8	4472	1938	-27.0	30.9	-4186.1	2323.9	-610.4	-1008.1	-133.3
5TH	67.50	-104.4	50.1	3751	1625	-27.8	30.8	-4065.3	2264.1	-574.8	-944.2	-131.1
6TH	80.50	-107.3	50.0	3751	1625	-28.6	30.8	-3960.9	2214.0	-545.7	-892.0	-128.9
7TH	93.50	-110.1	50.0	3751	1625	-29.3	30.8	-3853.6	2164.0	-517.3	-841.2	-126.6
8TH	106.50	-112.3	50.6	3751	1625	-29.9	31.2	-3743.5	2114.0	-489.5	-791.8	-124.0
9TH	119.50	-114.0	51.8	3751	1625	-30.4	31.9	-3631.2	2063.3	-462.3	-743.9	-121.3
10TH	132.50	-115.7	52.9	3751	1625	-30.9	32.6	-3517.2	2011.5	-435.8	-697.4	-118.5
11TH	145.50	-117.4	54.1	3751	1625	-31.3	33.3	-3401.5	1958.6	-410.0	-652.5	-115.6
12TH	158.50	-119.1	55.2	3751	1625	-31.8	34.0	-3284.1	1904.5	-384.9	-609.1	-112.7
13TH	171.50	-120.8	56.4	3751	1625	-32.2	34.7	-3165.0	1849.3	-360.5	-567.1	-109.7
14TH	184.50	-122.5	57.5	3751	1625	-32.7	35.4	-3044.2	1793.0	-336.8	-526.7	-106.6
15TH	197.50	-124.1	58.6	3751	1625	-33.1	36.1	-2921.7	1735.5	-313.9	-488.0	-103.4
16TH	210.50	-123.0	58.9	3751	1625	-32.8	36.3	-2797.6	1676.9	-291.7	-450.8	-100.1
17TH	223.50	-121.7	59.2	3751	1625	-32.5	36.5	-2674.6	1618.0	-270.3	-415.2	-96.8
18TH	236.50	-120.4	59.6	3751	1625	-32.1	36.7	-2552.9	1558.7	-249.6	-381.2	-93.4
19TH	249.50	-119.2	59.9	3751	1625	-31.8	36.9	-2432.4	1499.2	-229.8	-348.8	-90.0
20TH	262.50	-117.9	60.2	3751	1625	-31.4	37.0	-2313.3	1439.3	-210.7	-318.0	-86.5
21ST	275.50	-116.6	60.5	3751	1625	-31.1	37.2	-2195.4	1379.1	-192.3	-288.7	-82.9
22ND	288.50	-115.3	60.8	3751	1625	-30.7	37.4	-2078.9	1318.6	-174.8	-260.9	-79.3
23RD	301.50	-114.1	61.3	3751	1625	-30.4	37.7	-1963.6	1257.7	-158.1	-234.6	-75.6
24TH	314.50	-113.0	62.2	3751	1625	-30.1	38.3	-1849.5	1196.4	-142.1	-209.8	-71.8
25TH	327.50	-111.8	63.1	3751	1625	-29.8	38.8	-1736.5	1134.2	-127.0	-186.5	-68.0
26TH	340.50	-110.7	64.0	3751	1625	-29.5	39.4	-1624.7	1071.1	-112.6	-164.7	-64.2
27TH	353.50	-109.5	64.8	3751	1625	-29.2	39.9	-1514.0	1007.1	-99.1	-144.3	-60.4
28TH	366.50	-108.4	65.7	3751	1625	-28.9	40.4	-1404.5	942.3	-86.5	-125.3	-56.5
29TH	379.50	-107.2	66.6	3751	1625	-28.6	41.0	-1296.2	876.6	-74.6	-107.6	-52.5
30TH	392.50	-106.1	67.5	3751	1625	-28.3	41.5	-1189.0	810.0	-63.7	-91.2	-48.6
31ST	405.50	-104.8	67.9	3751	1625	-27.9	41.8	-1082.9	742.5	-53.6	-76.8	-44.5
32ND	418.50	-103.5	67.9	3751	1625	-27.6	41.8	-978.1	674.6	-44.4	-63.4	-40.5
33RD	431.50	-102.2	68.0	3751	1625	-27.3	41.8	-874.6	606.7	-36.0	-51.4	-36.5
34TH	444.50	-100.9	68.0	3751	1625	-26.9	41.9	-772.4	538.7	-28.6	-40.7	-32.5
35TH	457.50	-99.7	68.1	3751	1625	-26.6	41.9	-671.4	470.7	-22.0	-31.3	-28.4
36TH	470.50	-98.4	68.2	3751	1625	-26.2	41.9	-571.8	402.6	-16.4	-23.2	-24.4
37TH	483.50	-97.1	68.2	3751	1625	-25.9	42.0	-473.4	334.4	-11.6	-16.4	-20.3
38TH	496.50	-95.6	68.2	3751	1625	-25.5	42.0	-376.3	266.2	-7.7	-10.9	-16.2
39TH	509.50	-85.8	61.3	3751	1625	-22.9	37.7	-280.7	198.0	-4.6	-6.6	-12.2
40TH	522.50	-86.0	60.9	4328	1875	-19.9	32.5	-194.9	136.6	-2.5	-3.5	-8.5
41ST	537.50	-76.5	53.5	4616	2000	-16.6	26.7	-108.8	75.7	-.9	-1.3	-4.8
ROOF	553.50	-32.3	22.2	2308	1000	-14.0	22.2	-32.3	22.2	-.1	-.1	-1.4

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 30 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
1ST	0.00	-65.5	44.4	3589	1563	-18.2	28.4	-3991.0	2489.7	-707.4	-1077.4	-189.3
DUMY	12.50	-27.4	32.1	1457	1110	-18.8	28.9	-3925.6	2445.3	-676.6	-1028.0	-188.5
2ND	18.50	-84.7	93.3	4372	3330	-19.4	28.0	-3898.2	2413.3	-662.0	-1004.5	-187.0
3RD	36.50	-57.2	54.0	2793	2128	-20.5	25.4	-3813.5	2320.0	-619.4	-935.1	-182.0
DUMY	48.00	-26.3	14.6	1154	500	-22.8	29.2	-3756.3	2266.0	-593.0	-891.6	-178.9
4TH	52.00	-106.6	57.0	4472	1938	-23.8	29.4	-3730.0	2251.4	-584.0	-876.6	-178.1
5TH	67.50	-94.1	48.5	3751	1625	-25.1	29.8	-3623.4	2194.4	-549.5	-819.6	-174.7
6TH	80.50	-98.4	49.0	3751	1625	-26.2	30.2	-3529.3	2145.9	-521.3	-773.1	-171.4
7TH	93.50	-102.7	49.6	3751	1625	-27.4	30.5	-3430.9	2096.9	-493.7	-727.9	-167.6
8TH	106.50	-105.4	50.4	3751	1625	-28.1	31.0	-3328.2	2047.3	-466.8	-683.9	-163.4
9TH	119.50	-107.3	51.5	3751	1625	-28.6	31.7	-3222.8	1996.8	-440.5	-641.4	-158.9
10TH	132.50	-109.1	52.5	3751	1625	-29.1	32.3	-3115.5	1945.4	-414.9	-600.2	-154.5
11TH	145.50	-111.0	53.5	3751	1625	-29.6	32.9	-3006.4	1892.9	-389.9	-560.4	-150.0
12TH	158.50	-112.8	54.6	3751	1625	-30.1	33.6	-2895.4	1839.3	-365.7	-522.0	-145.5
13TH	171.50	-114.7	55.6	3751	1625	-30.6	34.2	-2782.6	1784.8	-342.1	-485.1	-141.0
14TH	184.50	-116.5	56.7	3751	1625	-31.1	34.9	-2667.9	1729.1	-319.3	-449.7	-136.4
15TH	197.50	-118.2	57.7	3751	1625	-31.5	35.5	-2551.4	1672.5	-297.2	-415.7	-131.8
16TH	210.50	-116.4	58.2	3751	1625	-31.0	35.8	-2433.2	1614.8	-275.8	-383.3	-127.2
17TH	223.50	-114.3	58.8	3751	1625	-30.5	36.2	-2316.8	1556.6	-255.2	-352.5	-122.6
18TH	236.50	-112.3	59.4	3751	1625	-29.9	36.6	-2202.5	1497.8	-235.3	-323.1	-117.9
19TH	249.50	-110.2	60.0	3751	1625	-29.4	36.9	-2090.2	1438.4	-216.2	-295.2	-113.3
20TH	262.50	-108.1	60.6	3751	1625	-28.8	37.3	-1980.0	1378.4	-197.9	-268.7	-108.6
21ST	275.50	-106.0	61.1	3751	1625	-28.3	37.6	-1871.9	1317.8	-180.4	-243.7	-103.9
22ND	288.50	-104.0	61.7	3751	1625	-27.7	38.0	-1765.9	1256.7	-163.7	-220.0	-99.2
23RD	301.50	-102.0	62.2	3751	1625	-27.2	38.3	-1661.9	1194.9	-147.7	-197.8	-94.5
24TH	314.50	-99.8	62.4	3751	1625	-26.6	38.4	-1559.9	1132.8	-132.6	-176.8	-89.8
25TH	327.50	-97.5	62.6	3751	1625	-26.0	38.5	-1460.2	1070.4	-118.3	-157.2	-85.0
26TH	340.50	-95.3	62.8	3751	1625	-25.4	38.6	-1362.7	1007.8	-104.8	-138.8	-80.3
27TH	353.50	-93.1	63.0	3751	1625	-24.8	38.8	-1267.4	945.0	-92.1	-121.7	-75.5
28TH	366.50	-90.9	63.2	3751	1625	-24.2	38.9	-1174.3	882.0	-80.2	-105.8	-70.7
29TH	379.50	-88.6	63.4	3751	1625	-23.6	39.0	-1083.4	818.7	-69.2	-91.2	-66.0
30TH	392.50	-86.4	63.7	3751	1625	-23.0	39.2	-994.8	755.3	-58.9	-77.7	-61.2
31ST	405.50	-85.2	63.8	3751	1625	-22.7	39.3	-908.4	691.6	-49.5	-65.3	-56.4
32ND	418.50	-84.6	63.8	3751	1625	-22.6	39.3	-823.2	627.8	-41.0	-54.1	-51.6
33RD	431.50	-84.0	63.9	3751	1625	-22.4	39.3	-738.6	564.0	-33.2	-43.9	-46.7
34TH	444.50	-83.5	63.9	3751	1625	-22.3	39.3	-654.5	500.1	-26.3	-34.9	-41.8
35TH	457.50	-82.9	63.9	3751	1625	-22.1	39.4	-571.1	436.2	-20.2	-26.9	-36.8
36TH	470.50	-82.3	64.0	3751	1625	-22.0	39.4	-488.2	372.3	-14.9	-20.0	-31.7
37TH	483.50	-81.8	64.0	3751	1625	-21.8	39.4	-405.8	308.3	-10.5	-14.2	-26.6
38TH	496.50	-81.1	64.0	3751	1625	-21.6	39.4	-324.0	244.3	-6.9	-9.5	-21.4
39TH	509.50	-73.4	57.0	3751	1625	-19.6	35.1	-242.9	180.2	-4.2	-5.8	-16.1
40TH	522.50	-74.2	55.9	4328	1875	-17.1	29.8	-169.4	123.2	-2.2	-3.1	-11.3
41ST	537.50	-66.7	47.9	4616	2000	-14.4	24.0	-95.2	67.3	-.8	-1.1	-6.4
ROOF	553.50	-28.5	19.4	2308	1000	-12.4	19.4	-28.5	19.4	-.1	-.1	-1.9

TABLE 7. SHEAR AND MOMENT DIAGRAMS ; YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 40 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	-36.2	35.9	3589	1563	-10.1	23.0	-2728.3	2025.4	-583.1	-778.3	-222.7
DUMY	12.50	-13.8	25.6	1457	1110	-9.5	23.1	-2692.0	1989.5	-558.1	-744.4	-222.7
2ND	18.50	-42.1	74.7	4372	3330	-9.6	22.4	-2678.3	1963.9	-546.1	-728.3	-221.8
3RD	36.50	-28.7	42.7	2793	2128	-10.3	20.1	-2636.2	1889.1	-511.5	-680.4	-218.4
DUMY	48.00	-14.9	11.4	1154	500	-12.9	22.9	-2607.4	1846.4	-490.0	-650.3	-216.3
4TH	52.00	-60.9	44.5	4472	1938	-13.6	23.0	-2592.5	1835.0	-482.6	-639.9	-215.8
5TH	67.50	-53.3	37.5	3751	1625	-14.2	23.1	-2531.7	1799.5	-454.5	-609.2	-213.4
6TH	80.50	-55.4	37.7	3751	1625	-14.8	23.2	-2478.3	1753.0	-431.5	-567.6	-210.9
7TH	93.50	-57.5	37.9	3751	1625	-15.3	23.3	-2422.9	1715.3	-408.9	-535.8	-208.0
8TH	106.50	-60.4	38.8	3751	1625	-16.1	23.9	-2365.4	1677.4	-386.9	-504.6	-204.7
9TH	119.50	-63.8	40.2	3751	1625	-17.0	24.7	-2305.0	1638.6	-365.3	-474.7	-201.0
10TH	132.50	-67.2	41.5	3751	1625	-17.9	25.6	-2241.2	1598.4	-344.2	-444.7	-196.9
11TH	145.50	-70.6	42.9	3751	1625	-18.8	26.4	-2174.0	1556.9	-323.8	-416.0	-192.5
12TH	158.50	-74.0	44.2	3751	1625	-19.7	27.2	-2103.4	1514.0	-303.8	-388.2	-187.8
13TH	171.50	-77.3	45.6	3751	1625	-20.6	28.1	-2029.5	1469.7	-284.4	-361.4	-182.8
14TH	184.50	-80.7	47.0	3751	1625	-21.5	28.9	-1952.1	1424.1	-265.6	-335.8	-177.4
15TH	197.50	-84.1	48.3	3751	1625	-22.4	29.7	-1871.4	1377.2	-247.4	-310.8	-171.7
16TH	210.50	-83.2	48.4	3751	1625	-22.2	29.8	-1787.3	1328.9	-229.8	-286.8	-165.7
17TH	223.50	-81.9	48.4	3751	1625	-21.8	29.8	-1704.1	1280.5	-212.9	-264.2	-159.6
18TH	236.50	-80.5	48.5	3751	1625	-21.5	29.8	-1622.2	1232.1	-196.5	-242.5	-153.5
19TH	249.50	-79.2	48.5	3751	1625	-21.1	29.9	-1541.7	1183.6	-180.7	-222.0	-147.5
20TH	262.50	-77.9	48.6	3751	1625	-20.8	29.9	-1462.5	1135.1	-165.3	-202.4	-141.5
21ST	275.50	-76.6	48.7	3751	1625	-20.4	29.9	-1384.5	1086.5	-150.3	-183.9	-135.4
22ND	288.50	-75.3	48.7	3751	1625	-20.1	30.0	-1307.9	1037.8	-135.7	-166.4	-129.2
23RD	301.50	-73.8	48.8	3751	1625	-19.7	30.1	-1232.6	989.1	-121.6	-149.9	-123.0
24TH	314.50	-72.1	49.3	3751	1625	-19.2	30.3	-1158.8	940.3	-107.9	-134.4	-116.7
25TH	327.50	-70.3	49.7	3751	1625	-18.8	30.6	-1086.7	891.9	-94.8	-119.8	-110.3
26TH	340.50	-68.6	50.2	3751	1625	-18.3	30.9	-1016.4	841.3	-82.0	-106.1	-103.9
27TH	353.50	-66.9	50.6	3751	1625	-17.8	31.1	-947.8	791.1	-69.6	-93.3	-97.4
28TH	366.50	-65.1	51.1	3751	1625	-17.4	31.4	-880.9	740.5	-57.8	-81.5	-90.9
29TH	379.50	-63.4	51.5	3751	1625	-16.9	31.7	-815.8	689.4	-46.5	-70.4	-84.1
30TH	392.50	-61.7	51.9	3751	1625	-16.4	32.0	-752.3	637.9	-35.7	-60.2	-77.1
31ST	405.50	-61.3	52.5	3751	1625	-16.3	32.3	-690.7	586.0	-25.4	-50.9	-70.1
32ND	418.50	-61.5	53.0	3751	1625	-16.4	32.6	-629.4	533.5	-15.6	-42.3	-63.1
33RD	431.50	-61.7	53.4	3751	1625	-16.4	32.9	-567.9	480.6	-6.3	-34.5	-56.0
34TH	444.50	-61.9	53.9	3751	1625	-16.5	33.2	-506.2	427.1	2.4	-27.5	-48.7
35TH	457.50	-62.0	54.4	3751	1625	-16.5	33.5	-444.3	373.2	10.3	-21.3	-41.1
36TH	470.50	-62.2	54.9	3751	1625	-16.6	33.8	-382.3	318.8	17.7	-16.0	-33.4
37TH	483.50	-62.4	55.4	3751	1625	-16.6	34.1	-320.0	263.9	24.6	-11.4	-25.6
38TH	496.50	-62.6	55.8	3751	1625	-16.7	34.3	-257.6	208.6	31.0	-7.6	-17.7
39TH	509.50	-57.5	49.2	3751	1625	-15.3	30.3	-195.1	152.8	36.8	-4.7	-9.8
40TH	522.50	-59.1	47.7	4328	1875	-13.7	25.4	-137.6	103.6	41.8	-2.9	-2.5
41ST	537.50	-54.5	40.1	4616	2000	-11.8	20.0	-78.4	55.9	46.1	-1.6	4.1
ROOF	553.50	-23.9	15.8	2308	1000	-10.4	15.8	-23.9	15.8	49.1	-1.1	9.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 90 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	-2.6	23.8	3589	1563	- 7	15.2	-548.6	1698.8	-489.1	-142.1	-188.6
DUMY	12.50	1.5	18.8	1457	1110	1.0	16.9	-546.0	1675.1	-468.0	-135.2	-189.4
2ND	18.50	4.5	55.8	4372	3330	1.0	16.7	-547.5	1656.3	-458.0	-132.0	-189.0
3RD	36.50	1.8	33.4	2793	2128	.6	15.7	-552.0	1600.5	-428.7	-122.1	-187.5
DUMY	48.00	-3.3	8.6	1154	500	-2.9	17.2	-553.8	1567.1	-410.5	-115.7	-186.5
4TH	52.00	-15.6	34.6	4472	1938	-3.5	17.8	-550.4	1558.5	-404.2	-113.5	-186.4
5TH	67.50	-14.9	30.6	3751	1625	-4.0	18.8	-534.9	1523.9	-380.3	-105.1	-185.8
6TH	80.50	-16.6	32.1	3751	1625	-4.4	19.7	-520.0	1493.3	-360.7	-98.2	-185.0
7TH	93.50	-18.3	33.6	3751	1625	-4.9	20.6	-503.4	1461.2	-341.5	-91.6	-183.9
8TH	106.50	-18.7	34.6	3751	1625	-5.0	21.3	-485.1	1427.7	-322.7	-85.2	-182.6
9TH	119.50	-18.9	35.8	3751	1625	-5.0	22.0	-466.3	1393.0	-304.4	-79.0	-181.0
10TH	132.50	-19.0	36.9	3751	1625	-5.1	22.7	-447.5	1357.3	-286.5	-73.0	-179.0
11TH	145.50	-19.1	38.0	3751	1625	-5.1	23.4	-428.5	1320.4	-269.1	-67.3	-176.7
12TH	158.50	-19.2	39.2	3751	1625	-5.1	24.1	-409.5	1282.4	-252.2	-61.9	-174.1
13TH	171.50	-19.3	40.3	3751	1625	-5.1	24.8	-390.3	1243.2	-235.8	-56.7	-171.2
14TH	184.50	-19.4	41.4	3751	1625	-5.2	25.5	-371.1	1202.9	-219.9	-51.7	-168.0
15TH	197.50	-19.5	42.5	3751	1625	-5.2	26.1	-351.7	1161.5	-204.5	-47.0	-164.4
16TH	210.50	-19.0	42.4	3751	1625	-5.1	26.1	-332.3	1119.0	-189.7	-42.6	-160.5
17TH	223.50	-18.4	42.4	3751	1625	-4.9	26.1	-313.3	1076.6	-175.4	-38.4	-156.3
18TH	236.50	-17.8	42.4	3751	1625	-4.7	26.1	-294.9	1034.2	-161.7	-34.4	-151.9
19TH	249.50	-17.2	42.3	3751	1625	-4.6	26.0	-277.2	991.8	-148.5	-30.7	-147.1
20TH	262.50	-16.6	42.3	3751	1625	-4.4	26.0	-259.9	949.5	-135.9	-27.2	-142.1
21ST	275.50	-16.0	42.3	3751	1625	-4.3	26.0	-243.3	907.2	-123.8	-24.0	-136.8
22ND	288.50	-15.5	42.2	3751	1625	-4.1	26.0	-227.3	864.9	-112.3	-20.9	-131.3
23RD	301.50	-15.3	42.3	3751	1625	-4.1	26.1	-211.8	822.7	-101.4	-18.1	-125.4
24TH	314.50	-15.4	42.7	3751	1625	-4.1	26.3	-196.5	780.4	-90.9	-15.4	-119.4
25TH	327.50	-15.5	43.0	3751	1625	-4.1	26.5	-181.0	737.7	-81.1	-12.9	-113.2
26TH	340.50	-15.6	43.3	3751	1625	-4.2	26.7	-165.5	694.7	-71.8	-10.7	-106.9
27TH	353.50	-15.7	43.6	3751	1625	-4.2	26.8	-149.8	651.4	-63.0	-8.8	-100.5
28TH	366.50	-15.8	44.0	3751	1625	-4.2	27.0	-134.1	607.8	-54.8	-6.8	-93.9
29TH	379.50	-15.9	44.3	3751	1625	-4.3	27.2	-118.2	563.8	-47.2	-5.2	-87.2
30TH	392.50	-16.0	44.6	3751	1625	-4.3	27.4	-102.3	519.6	-40.2	-3.8	-80.4
31ST	405.50	-15.7	44.7	3751	1625	-4.2	27.5	-86.2	475.0	-33.7	-2.5	-73.5
32ND	418.50	-14.8	44.6	3751	1625	-4.0	27.4	-70.5	430.3	-27.8	-1.5	-66.6
33RD	431.50	-13.9	44.4	3751	1625	-3.7	27.4	-55.7	385.7	-22.5	-.7	-59.8
34TH	444.50	-13.1	44.3	3751	1625	-3.5	27.3	-41.8	341.3	-17.8	-.2	-53.0
35TH	457.50	-12.2	44.2	3751	1625	-3.2	27.2	-28.7	297.0	-13.6	.0	-46.3
36TH	470.50	-11.3	44.1	3751	1625	-3.0	27.1	-16.5	252.7	-10.1	.1	-39.7
37TH	483.50	-10.4	44.0	3751	1625	-2.8	27.1	-5.2	208.6	-7.1	.1	-33.2
38TH	496.50	-9.5	43.8	3751	1625	-2.5	27.0	5.2	164.7	-4.6	.1	-26.8
39TH	509.50	-4.6	38.7	3751	1625	-1.2	23.8	14.7	120.9	-2.8	.1	-20.4
40TH	522.50	1.5	37.6	4328	1875	.4	20.1	19.2	82.1	-1.5	.2	-14.5
41ST	537.50	9.7	31.8	4616	2000	2.1	15.9	17.7	44.5	-.5	.2	-8.4
ROOF	553.50	8.0	12.7	2308	1000	3.5	12.7	8.0	12.7	-.1	.0	-2.6

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 60 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
1ST	0.00	30.8	7.8	3589	1563	8.6	5.0	1228.7	1479.4	-453.2	339.3	-66.0
DUMY	12.50	17.7	11.0	1457	1110	12.1	9.9	1198.0	1471.6	-434.8	324.1	-68.2
2ND	18.50	56.0	32.8	4372	3330	12.8	9.9	1180.3	1460.6	-426.0	317.0	-68.4
3RD	36.50	36.1	19.7	2793	2128	12.9	9.3	1124.3	1427.8	-400.0	296.3	-68.9
DUMY	48.00	9.6	3.8	1154	500	8.3	7.6	1088.2	1408.0	-383.7	283.5	-69.2
4TH	52.00	35.8	16.4	4472	1938	8.0	8.5	1078.6	1404.3	-378.1	279.2	-69.2
5TH	67.50	29.3	15.9	3751	1625	7.8	9.8	1042.8	1387.9	-356.4	262.8	-71.1
6TH	80.50	28.7	17.9	3751	1625	7.6	11.0	1013.4	1371.9	-338.5	249.4	-72.1
7TH	93.50	28.1	19.9	3751	1625	7.5	12.3	984.8	1354.0	-320.8	236.4	-73.0
8TH	106.50	27.5	22.5	3751	1625	7.3	13.8	956.7	1334.1	-303.3	223.8	-73.7
9TH	119.50	27.1	25.3	3751	1625	7.2	15.6	929.2	1311.6	-286.1	211.6	-74.2
10TH	132.50	26.7	28.2	3751	1625	7.1	17.4	902.1	1286.3	-269.2	199.8	-74.4
11TH	145.50	26.3	31.1	3751	1625	7.0	19.1	875.4	1258.9	-252.7	188.4	-74.5
12TH	158.50	25.9	34.0	3751	1625	6.9	20.9	849.0	1226.9	-236.5	176.9	-74.4
13TH	171.50	25.5	36.9	3751	1625	6.8	22.7	823.1	1192.9	-220.8	166.0	-74.0
14TH	184.50	25.1	39.8	3751	1625	6.7	24.5	797.6	1156.0	-205.5	155.5	-73.5
15TH	197.50	24.8	42.4	3751	1625	6.6	26.1	772.4	1116.3	-190.5	145.3	-72.8
16TH	210.50	25.1	42.7	3751	1625	6.7	26.3	747.7	1073.9	-176.8	135.4	-71.8
17TH	223.50	25.4	42.9	3751	1625	6.8	26.4	722.6	1031.2	-162.8	125.8	-70.6
18TH	236.50	25.7	43.2	3751	1625	6.8	26.6	697.2	988.3	-149.7	116.6	-69.2
19TH	249.50	26.0	43.5	3751	1625	6.9	26.7	671.5	945.1	-137.1	107.7	-67.7
20TH	262.50	26.3	43.7	3751	1625	7.0	26.9	645.5	901.7	-125.1	99.1	-65.9
21ST	275.50	26.6	44.0	3751	1625	7.1	27.1	619.2	857.9	-113.7	90.9	-63.9
22ND	288.50	27.0	44.2	3751	1625	7.2	27.2	592.6	814.0	-102.8	83.0	-61.7
23RD	301.50	27.0	44.3	3751	1625	7.2	27.3	565.6	769.7	-92.5	75.5	-59.4
24TH	314.50	27.1	43.9	3751	1625	7.2	27.0	538.6	725.4	-82.7	68.3	-56.8
25TH	327.50	27.1	43.5	3751	1625	7.2	26.8	511.5	681.5	-73.5	61.5	-54.2
26TH	340.50	27.2	43.1	3751	1625	7.2	26.5	484.4	638.0	-65.1	55.0	-51.6
27TH	353.50	27.2	42.7	3751	1625	7.3	26.2	457.2	595.0	-57.1	48.9	-48.8
28TH	366.50	27.3	42.2	3751	1625	7.3	26.0	430.0	552.3	-49.6	43.1	-46.0
29TH	379.50	27.3	41.8	3751	1625	7.3	25.7	402.7	510.1	-42.7	37.7	-43.1
30TH	392.50	27.3	41.4	3751	1625	7.3	25.5	375.4	468.3	-36.4	32.7	-40.1
31ST	405.50	27.4	41.0	3751	1625	7.3	25.2	348.1	426.8	-30.5	28.0	-37.1
32ND	418.50	27.6	40.5	3751	1625	7.4	24.9	320.7	385.9	-25.3	23.6	-34.0
33RD	431.50	27.7	39.9	3751	1625	7.4	24.6	293.1	345.4	-20.5	19.6	-30.9
34TH	444.50	27.9	39.4	3751	1625	7.4	24.3	265.4	305.5	-16.3	16.0	-27.8
35TH	457.50	28.0	38.9	3751	1625	7.5	23.9	237.5	266.0	-12.6	12.7	-24.7
36TH	470.50	28.2	38.4	3751	1625	7.5	23.6	209.5	227.2	-9.3	9.7	-21.5
37TH	483.50	28.3	37.8	3751	1625	7.5	23.3	181.3	188.8	-6.6	7.3	-18.4
38TH	496.50	28.5	37.3	3751	1625	7.6	22.9	153.0	151.0	-4.3	5.3	-15.2
39TH	509.50	29.6	34.0	3751	1625	7.9	20.9	124.5	113.7	-2.4	3.9	-12.0
40TH	522.50	35.4	34.6	4328	1875	8.2	18.4	95.0	79.7	-1.1	1.9	-8.9
41ST	537.50	39.3	31.5	4616	2000	8.5	15.7	59.5	45.1	-.3	.7	-5.4
ROOF	553.50	20.2	13.6	2308	1000	8.8	13.6	20.2	13.6	-.1	.1	-1.8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 70 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	32.0	-5.5	3588	1563	14.5	-3.5	2036.4	1161.7	-376.6	515.6	91.4
DUMY	12.50	27.7	4.8	1457	1110	19.0	4.3	1984.3	1167.3	-362.0	490.4	88.7
2ND	18.50	86.7	16.2	4372	3330	19.8	4.9	1956.6	1162.5	-355.0	478.6	88.2
3RD	36.50	56.3	11.0	2793	2128	20.1	5.2	1869.9	1146.3	-334.2	444.2	86.9
DUMY	48.00	18.2	-.1	1154	500	15.7	-.2	1813.6	1135.3	-321.1	423.0	86.1
4TH	52.00	70.2	2.0	4472	1938	15.7	1.0	1795.4	1135.3	-316.6	415.8	85.4
5TH	67.50	59.0	4.4	3751	1625	15.7	2.7	1725.2	1133.4	-298.3	388.5	82.7
6TH	80.50	59.1	7.0	3751	1625	15.8	4.3	1666.2	1129.0	-284.3	366.5	80.6
7TH	93.50	59.1	9.5	3751	1625	15.8	5.9	1607.1	1122.0	-269.7	345.2	78.6
8TH	106.50	57.7	12.7	3751	1625	15.4	7.8	1548.0	1112.5	-255.1	324.9	76.7
9TH	119.50	55.9	16.3	3751	1625	14.9	10.1	1490.3	1099.8	-240.6	304.9	74.8
10TH	132.50	54.1	20.0	3751	1625	14.4	12.3	1434.3	1083.4	-226.6	285.9	72.8
11TH	145.50	52.4	23.6	3751	1625	14.0	14.5	1380.2	1063.4	-212.6	267.6	70.7
12TH	158.50	50.6	27.2	3751	1625	13.5	16.8	1327.8	1039.8	-198.9	250.0	68.5
13TH	171.50	48.8	30.9	3751	1625	13.0	19.0	1277.3	1012.6	-185.6	233.1	66.3
14TH	184.50	47.0	34.5	3751	1625	12.5	21.2	1228.5	981.8	-172.5	216.8	63.8
15TH	197.50	45.4	37.8	3751	1625	12.1	23.3	1181.5	947.3	-160.1	201.1	61.4
16TH	210.50	45.5	37.9	3751	1625	12.1	23.3	1136.1	909.5	-148.0	186.1	58.8
17TH	223.50	45.6	38.0	3751	1625	12.2	23.4	1090.7	871.5	-136.4	171.6	56.3
18TH	236.50	45.7	38.1	3751	1625	12.2	23.4	1045.1	833.5	-125.4	157.7	53.8
19TH	249.50	45.9	38.1	3751	1625	12.2	23.5	999.3	795.5	-114.8	144.4	51.2
20TH	262.50	46.0	38.2	3751	1625	12.3	23.5	953.5	757.3	-104.7	131.7	48.7
21ST	275.50	46.2	38.3	3751	1625	12.3	23.5	907.5	719.1	-95.1	119.6	46.2
22ND	288.50	46.3	38.3	3751	1625	12.3	23.6	861.3	680.9	-86.0	108.1	43.7
23RD	301.50	46.3	38.2	3751	1625	12.4	23.5	815.0	642.5	-77.4	97.2	41.2
24TH	314.50	46.1	37.5	3751	1625	12.3	23.1	768.7	604.4	-69.3	86.7	38.7
25TH	327.50	45.8	36.9	3751	1625	12.2	22.7	722.6	566.8	-61.7	77.0	36.2
26TH	340.50	45.6	36.3	3751	1625	12.2	22.4	676.8	529.6	-54.5	68.0	33.7
27TH	353.50	45.3	35.7	3751	1625	12.1	22.0	631.2	493.6	-47.7	59.6	31.3
28TH	366.50	45.1	35.1	3751	1625	12.0	21.6	585.9	457.8	-41.3	51.7	28.9
29TH	379.50	44.8	34.5	3751	1625	12.0	21.2	540.8	422.2	-36.2	44.4	26.5
30TH	392.50	44.6	33.9	3751	1625	11.9	20.9	495.9	388.2	-30.7	37.5	24.2
31ST	405.50	44.2	33.4	3751	1625	11.8	20.6	451.4	354.3	-25.9	31.5	21.8
32ND	418.50	43.7	32.9	3751	1625	11.7	20.3	407.2	320.9	-21.5	25.9	19.5
33RD	431.50	43.2	32.5	3751	1625	11.5	20.0	363.5	287.9	-17.5	20.9	17.3
34TH	444.50	42.8	32.0	3751	1625	11.4	19.7	320.2	255.5	-14.0	16.6	15.2
35TH	457.50	42.3	31.5	3751	1625	11.3	19.4	277.4	223.5	-10.9	12.9	13.0
36TH	470.50	41.8	31.0	3751	1625	11.1	19.1	235.2	192.0	-8.2	9.6	10.7
37TH	483.50	41.3	30.5	3751	1625	11.0	18.8	193.4	161.1	-5.9	6.9	8.5
38TH	496.50	40.9	30.0	3751	1625	10.9	18.4	152.0	130.6	-4.0	4.5	6.4
39TH	509.50	36.2	28.1	3751	1625	9.7	17.3	111.2	100.6	-2.5	2.5	4.3
40TH	522.50	34.8	30.0	4328	1875	8.0	16.0	74.9	72.5	-1.4	1.3	2.6
41ST	537.50	28.9	29.1	4616	2000	6.3	14.5	40.1	42.5	-.5	.5	1.2
ROOF	553.50	11.2	13.4	2308	1000	4.9	13.4	11.2	13.4	-.1	.0	.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 90 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	49.8	-12.7	3589	1563	13.9	-8.1	2914.6	502.8	-174.1	817.9	226.0
DUMY	12.50	27.3	2.5	1457	1110	18.7	2.3	2864.8	515.5	-167.7	781.8	223.1
2ND	18.50	84.8	10.0	4372	3330	19.4	3.0	2837.5	513.0	-164.6	764.7	222.4
3RD	36.50	55.8	7.7	2793	2128	20.6	3.6	2752.7	503.0	-155.5	714.4	220.1
DUMY	48.00	19.8	-2.7	1154	500	17.2	-5.3	2696.9	495.4	-149.7	683.1	218.6
4TH	52.00	79.3	-9.1	4472	1938	17.7	-4.7	2677.1	498.0	-147.7	672.3	217.4
5TH	67.50	68.4	-6.1	3751	1625	18.2	-3.7	2597.8	507.1	-139.9	631.4	212.9
6TH	80.50	70.2	-4.7	3751	1625	18.7	-2.9	2529.3	513.2	-133.3	598.1	209.0
7TH	93.50	71.9	-3.4	3751	1625	19.2	-2.1	2459.2	517.9	-126.6	565.7	205.1
8TH	106.50	71.3	-.7	3751	1625	19.0	-.4	2387.3	521.3	-119.9	534.2	201.1
9TH	119.50	69.9	2.7	3751	1625	18.6	1.6	2316.0	521.9	-113.1	503.6	196.9
10TH	132.50	68.4	6.0	3751	1625	18.3	3.7	2246.2	519.3	-106.3	474.0	192.4
11TH	145.50	67.0	9.4	3751	1625	17.9	5.8	2177.7	513.3	-99.6	445.2	187.7
12TH	158.50	65.6	12.7	3751	1625	17.5	7.8	2110.7	503.9	-93.0	417.3	182.7
13TH	171.50	64.2	16.1	3751	1625	17.1	9.9	2045.0	491.2	-86.5	390.3	177.4
14TH	184.50	62.8	19.4	3751	1625	16.8	11.9	1980.8	475.1	-80.2	364.1	171.9
15TH	197.50	61.7	22.4	3751	1625	16.5	13.8	1918.0	455.7	-74.2	338.8	166.1
16TH	210.50	63.2	21.9	3751	1625	16.9	13.5	1856.2	433.3	-68.4	314.3	160.1
17TH	223.50	64.8	21.4	3751	1625	17.3	13.1	1793.0	411.4	-62.9	290.6	154.1
18TH	236.50	66.3	20.8	3751	1625	17.7	12.8	1728.2	390.0	-57.8	267.7	148.0
19TH	249.50	67.9	20.2	3751	1625	18.1	12.4	1661.8	369.2	-52.8	245.6	141.9
20TH	262.50	69.4	19.6	3751	1625	18.5	12.1	1594.0	349.0	-48.1	224.5	135.8
21ST	275.50	71.0	19.1	3751	1625	18.9	11.7	1524.5	329.4	-43.7	204.2	129.6
22ND	288.50	72.5	18.5	3751	1625	19.3	11.4	1453.5	310.3	-39.5	184.8	123.4
23RD	301.50	73.7	18.0	3751	1625	19.7	11.1	1381.0	291.8	-35.6	166.4	117.1
24TH	314.50	74.2	17.5	3751	1625	19.8	10.8	1307.3	273.8	-31.9	148.9	110.9
25TH	327.50	74.6	17.1	3751	1625	19.9	10.5	1233.2	256.2	-28.5	132.4	104.5
26TH	340.50	75.1	16.6	3751	1625	20.0	10.2	1158.5	239.2	-25.3	116.9	98.2
27TH	353.50	75.5	16.1	3751	1625	20.1	9.9	1083.4	222.6	-22.3	102.3	91.8
28TH	366.50	76.0	15.6	3751	1625	20.3	9.6	1007.9	206.5	-19.5	88.7	85.4
29TH	379.50	76.5	15.2	3751	1625	20.4	9.3	931.9	190.8	-16.9	76.1	78.9
30TH	392.50	76.9	14.7	3751	1625	20.5	9.0	855.4	175.7	-14.5	64.5	72.4
31ST	405.50	76.7	14.4	3751	1625	20.5	8.8	778.5	161.0	-12.3	53.9	65.9
32ND	418.50	76.0	14.1	3751	1625	20.3	8.7	701.8	146.6	-10.3	44.2	59.4
33RD	431.50	75.2	13.9	3751	1625	20.1	8.6	625.8	132.5	-8.5	35.6	53.0
34TH	444.50	74.5	13.7	3751	1625	19.9	8.4	550.5	118.5	-6.9	28.0	46.7
35TH	457.50	73.7	13.5	3751	1625	19.7	8.3	476.1	104.8	-5.4	21.3	40.5
36TH	470.50	73.0	13.3	3751	1625	19.5	8.2	402.3	91.4	-4.2	15.6	34.4
37TH	483.50	72.2	13.0	3751	1625	19.3	8.0	329.4	78.1	-3.1	10.8	28.3
38TH	496.50	71.5	12.8	3751	1625	19.1	7.9	257.2	65.1	-2.1	7.0	22.4
39TH	509.50	62.4	12.8	3751	1625	16.6	7.9	185.7	52.3	-1.4	4.1	16.6
40TH	522.50	58.8	15.0	4328	1875	13.6	8.0	123.3	39.5	-.8	2.1	11.3
41ST	537.50	47.1	16.2	4616	2000	10.2	8.1	64.5	24.5	-.3	.7	6.2
ROOF	553.50	17.5	8.2	2308	1000	7.6	8.2	17.5	8.2	-.0	.1	1.8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 90 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	52.6	-12.9	3589	1563	14.7	-8.3	3517.3	-138.4	23.7	1023.3	309.7
DUMY	12.50	28.5	4.0	1457	1110	19.6	3.6	3464.7	-125.5	22.0	979.7	306.1
2ND	18.50	86.6	11.1	4372	3330	19.8	3.3	3436.2	-129.4	21.3	959.0	305.3
3RD	36.50	55.6	5.0	2793	2128	19.9	2.3	3349.6	-140.6	18.8	897.9	302.1
DUMY	48.00	21.1	-3.7	1154	500	18.3	-7.5	3294.1	-145.5	17.2	859.7	299.7
4TH	52.00	84.0	-14.3	4472	1938	18.8	-7.4	3273.0	-141.8	16.6	846.6	298.2
5TH	67.50	70.5	-11.8	3751	1625	18.8	-7.3	3188.9	-127.5	14.5	796.5	292.3
6TH	80.50	70.6	-11.6	3751	1625	18.8	-7.1	3118.4	-115.7	12.9	755.5	287.3
7TH	93.50	70.6	-11.4	3751	1625	18.8	-7.0	3047.8	-104.1	11.5	715.4	282.2
8TH	106.50	71.7	-10.7	3751	1625	19.1	-6.6	2977.2	-92.7	10.2	676.3	276.9
9TH	119.50	73.4	-9.6	3751	1625	19.6	-5.9	2905.4	-82.0	9.1	638.0	271.4
10TH	132.50	75.1	-8.4	3751	1625	20.0	-5.2	2832.0	-72.4	8.1	600.7	265.6
11TH	145.50	76.8	-7.2	3751	1625	20.5	-4.5	2756.9	-64.0	7.2	564.4	259.4
12TH	158.50	78.5	-6.1	3751	1625	20.9	-3.7	2680.1	-56.8	6.4	529.1	253.0
13TH	171.50	80.2	-4.9	3751	1625	21.4	-3.0	2601.6	-50.7	5.7	494.7	246.2
14TH	184.50	81.9	-3.8	3751	1625	21.8	-2.3	2521.5	-45.8	5.1	461.4	239.1
15TH	197.50	83.7	-2.7	3751	1625	22.3	-1.7	2439.6	-42.0	4.5	429.2	231.6
16TH	210.50	84.8	-2.8	3751	1625	22.6	-1.7	2355.9	-39.3	4.0	398.0	223.9
17TH	223.50	85.8	-2.8	3751	1625	22.9	-1.7	2271.1	-36.5	3.5	367.9	216.0
18TH	236.50	86.9	-2.8	3751	1625	23.2	-1.7	2185.3	-33.7	3.0	339.0	208.1
19TH	249.50	87.9	-2.9	3751	1625	23.4	-1.8	2098.4	-30.9	2.6	311.1	200.2
20TH	262.50	88.9	-2.9	3751	1625	23.7	-1.8	2010.5	-28.0	2.2	284.4	192.1
21ST	275.50	89.9	-2.9	3751	1625	24.0	-1.8	1921.6	-25.1	1.9	258.9	184.0
22ND	288.50	90.9	-3.0	3751	1625	24.2	-1.8	1831.7	-22.2	1.6	234.5	175.8
23RD	301.50	91.7	-2.9	3751	1625	24.5	-1.8	1740.8	-19.2	1.3	211.2	167.6
24TH	314.50	92.3	-2.5	3751	1625	24.6	-1.5	1649.1	-16.3	1.1	189.1	159.3
25TH	327.50	92.9	-2.1	3751	1625	24.8	-1.3	1556.8	-13.8	.9	168.4	150.8
26TH	340.50	93.5	-1.7	3751	1625	24.9	-1.1	1463.8	-11.7	.7	148.7	142.3
27TH	353.50	94.1	-1.4	3751	1625	25.1	-.8	1370.3	-10.0	.6	130.3	133.7
28TH	366.50	94.7	-1.0	3751	1625	25.3	-.6	1276.2	-8.7	.5	113.1	124.9
29TH	379.50	95.3	-.6	3751	1625	25.4	-.4	1181.5	-7.7	.4	97.1	116.1
30TH	392.50	95.9	-.2	3751	1625	25.6	-.1	1086.2	-7.1	.3	82.4	107.1
31ST	405.50	95.9	-.2	3751	1625	25.6	-.1	990.3	-6.9	.2	68.9	98.1
32ND	418.50	95.4	-.5	3751	1625	25.4	-.3	894.3	-6.7	.1	56.6	89.0
33RD	431.50	94.8	-.8	3751	1625	25.3	-.5	798.9	-6.2	.0	45.6	80.0
34TH	444.50	94.3	-1.1	3751	1625	25.1	-.7	704.1	-5.3	.0	35.9	71.0
35TH	457.50	93.7	-1.4	3751	1625	25.0	-.9	609.9	-4.2	.0	27.3	62.1
36TH	470.50	93.1	-1.8	3751	1625	24.8	-1.1	516.2	-2.7	.0	20.0	53.4
37TH	483.50	92.6	-2.1	3751	1625	24.7	-1.3	423.0	-1.0	.0	13.9	44.6
38TH	496.50	92.0	-2.4	3751	1625	24.5	-1.5	330.5	1.1	.0	9.0	35.6
39TH	509.50	80.3	-1.2	3751	1625	21.4	-.8	238.4	3.5	.0	5.3	26.9
40TH	522.50	75.5	.3	4328	1875	17.5	.2	158.1	4.7	.0	2.7	18.9
41ST	537.50	60.3	2.4	4616	2000	13.1	1.2	82.6	4.4	.0	.9	10.7
ROOF	553.50	22.3	2.0	2308	1000	9.7	2.0	22.3	2.0	.0	.1	3.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 100 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	65.3	-13.3	3589	1563	18.2	-8.5	3751.6	-173.2	10.1	1062.1	305.2
DUMY	12.50	33.6	3.3	1457	1110	23.0	2.9	3686.4	-159.9	8.1	1015.6	301.7
2ND	18.50	100.4	5.9	4372	3330	23.0	1.8	3652.8	-163.1	7.1	993.6	300.8
3RD	36.50	64.0	-.9	2793	2128	22.9	-.4	3552.4	-169.0	4.1	928.8	297.4
DUMY	48.00	25.7	-4.5	1154	500	22.3	-9.1	3488.4	-168.1	2.2	888.3	294.6
4TH	52.00	102.5	-18.3	4472	1938	22.9	-9.4	3462.6	-163.5	1.5	874.4	293.1
5TH	67.50	85.5	-16.3	3751	1625	22.8	-10.0	3360.1	-145.2	-.9	821.5	287.2
6TH	80.50	85.0	-17.1	3751	1625	22.7	-10.5	3274.7	-129.0	-2.7	778.4	282.1
7TH	93.50	84.5	-17.9	3751	1625	22.5	-11.0	3189.7	-111.8	-4.2	736.4	276.9
8TH	106.50	84.6	-17.3	3751	1625	22.6	-10.7	3105.2	-93.9	-5.6	695.5	271.7
9TH	119.50	85.2	-16.0	3751	1625	22.7	-9.8	3020.6	-76.6	-6.7	655.6	266.2
10TH	132.50	85.8	-14.6	3751	1625	22.9	-9.0	2935.4	-60.6	-7.6	616.9	260.4
11TH	145.50	86.5	-13.3	3751	1625	23.1	-8.2	2849.5	-46.0	-8.3	579.3	254.5
12TH	158.50	87.1	-11.9	3751	1625	23.2	-7.4	2763.1	-32.7	-8.8	542.8	248.2
13TH	171.50	87.8	-10.6	3751	1625	23.4	-6.5	2675.9	-20.7	-9.1	507.5	241.8
14TH	184.50	88.4	-9.3	3751	1625	23.6	-5.7	2588.2	-10.1	-9.3	473.3	235.0
15TH	197.50	89.1	-8.0	3751	1625	23.8	-4.9	2499.8	-.8	-9.4	440.2	228.1
16TH	210.50	89.8	-7.2	3751	1625	23.9	-4.4	2410.7	7.1	-9.3	408.3	220.8
17TH	223.50	90.4	-6.4	3751	1625	24.1	-4.0	2320.9	14.3	-9.2	377.5	213.5
18TH	236.50	91.0	-5.7	3751	1625	24.3	-3.5	2230.5	20.7	-9.0	347.9	206.0
19TH	249.50	91.6	-4.9	3751	1625	24.4	-3.0	2139.5	26.4	-8.7	319.5	198.4
20TH	262.50	92.2	-4.1	3751	1625	24.6	-2.5	2047.9	31.3	-8.3	292.3	190.6
21ST	275.50	92.8	-3.4	3751	1625	24.7	-2.1	1955.7	35.5	-7.9	266.3	182.8
22ND	288.50	93.4	-2.6	3751	1625	24.9	-1.6	1862.9	38.8	-7.4	241.5	174.8
23RD	301.50	93.9	-1.9	3751	1625	25.0	-1.2	1769.5	41.5	-6.9	217.9	166.6
24TH	314.50	93.8	-1.2	3751	1625	25.0	-.7	1675.6	43.3	-6.3	195.5	158.3
25TH	327.50	93.6	-.4	3751	1625	25.0	-.3	1581.8	44.5	-5.7	174.3	150.0
26TH	340.50	93.5	.3	3751	1625	24.9	.2	1488.2	44.9	-5.2	154.3	141.6
27TH	353.50	93.4	1.1	3751	1625	24.9	.7	1394.7	44.6	-4.6	135.6	133.1
28TH	366.50	93.2	1.8	3751	1625	24.9	1.1	1301.3	43.5	-4.0	118.1	124.6
29TH	379.50	93.1	2.6	3751	1625	24.8	1.6	1208.1	41.7	-3.5	101.8	116.0
30TH	392.50	93.0	3.3	3751	1625	24.8	2.0	1115.0	39.1	-2.9	86.7	107.3
31ST	405.50	93.3	3.5	3751	1625	24.9	2.2	1022.0	35.8	-2.4	72.8	98.6
32ND	418.50	93.9	3.5	3751	1625	25.0	2.2	928.7	32.3	-2.0	60.1	89.8
33RD	431.50	94.5	3.5	3751	1625	25.2	2.2	834.8	28.8	-1.6	48.6	81.0
34TH	444.50	95.1	3.5	3751	1625	25.3	2.2	740.4	25.2	-1.2	38.4	72.1
35TH	457.50	95.7	3.5	3751	1625	25.5	2.1	645.3	21.8	-.9	29.4	63.2
36TH	470.50	96.3	3.5	3751	1625	25.7	2.1	549.6	18.3	-.7	21.6	54.3
37TH	483.50	96.8	3.4	3751	1625	25.8	2.1	453.4	14.8	-.5	15.1	45.3
38TH	496.50	97.5	3.4	3751	1625	26.0	2.1	356.5	11.4	-.3	9.8	36.2
39TH	509.50	85.9	2.8	3751	1625	22.9	1.7	259.0	8.0	-.2	5.8	27.1
40TH	522.50	81.6	2.6	4328	1875	18.9	1.4	173.1	5.1	-.1	3.0	18.9
41ST	537.50	66.3	1.9	4616	2000	14.4	1.0	91.5	2.6	-.0	1.0	10.6
ROOF	553.50	25.2	.6	2308	1000	10.9	.6	25.2	.6	-.0	.1	3.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 110 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	88.8	-22.4	3589	1563	24.8	-14.3	4957.2	-1003.7	265.1	1420.6	269.8
DUMY	12.50	42.0	-2.9	1457	1110	28.8	-2.6	4868.4	-981.3	252.7	1359.2	266.2
2ND	18.50	126.4	-16.5	4372	3330	28.9	-5.0	4826.4	-978.4	246.8	1330.1	265.2
3RD	36.50	81.1	-17.0	2793	2128	29.0	-8.0	4700.0	-961.8	229.4	1244.3	261.5
DUMY	48.00	33.2	-8.3	1154	500	28.8	-16.7	4618.9	-944.8	218.4	1190.7	258.6
4TH	52.00	131.4	-33.9	4472	1938	29.4	-17.5	4585.7	-936.5	214.7	1172.3	257.2
5TH	67.50	109.3	-30.5	3751	1625	29.1	-18.7	4454.3	-902.6	200.4	1102.3	252.0
6TH	80.50	108.5	-32.3	3751	1625	28.9	-19.9	4345.0	-872.2	188.9	1045.1	247.5
7TH	93.50	107.7	-34.1	3751	1625	28.7	-21.0	4236.5	-839.9	177.7	989.3	243.0
8TH	106.50	108.2	-33.8	3751	1625	28.8	-20.8	4128.7	-805.7	167.0	934.9	238.4
9TH	119.50	109.7	-32.6	3751	1625	29.2	-20.1	4020.6	-771.9	156.8	882.0	233.7
10TH	132.50	111.1	-31.4	3751	1625	29.6	-19.3	3910.9	-739.3	147.0	830.4	228.7
11TH	145.50	112.6	-30.1	3751	1625	30.0	-18.5	3799.8	-708.0	137.6	780.3	223.5
12TH	158.50	114.1	-28.9	3751	1625	30.4	-17.8	3687.1	-677.8	128.6	731.6	218.0
13TH	171.50	115.6	-27.7	3751	1625	30.8	-17.0	3573.0	-648.9	119.9	684.4	212.3
14TH	184.50	117.1	-26.4	3751	1625	31.2	-16.3	3457.4	-621.3	111.7	638.7	206.3
15TH	197.50	118.7	-25.3	3751	1625	31.6	-15.6	3340.3	-594.8	103.8	594.5	200.1
16TH	210.50	119.3	-24.9	3751	1625	31.8	-15.3	3221.6	-569.5	96.2	551.9	193.6
17TH	223.50	119.7	-24.5	3751	1625	31.9	-15.1	3102.3	-544.6	89.0	510.8	187.0
18TH	236.50	120.2	-24.1	3751	1625	32.0	-14.8	2982.6	-520.1	82.0	471.2	180.3
19TH	249.50	120.6	-23.7	3751	1625	32.2	-14.6	2862.5	-496.0	75.4	433.2	173.5
20TH	262.50	121.1	-23.3	3751	1625	32.3	-14.4	2741.8	-472.3	69.1	396.8	166.6
21ST	275.50	121.6	-22.9	3751	1625	32.4	-14.1	2620.7	-449.0	63.1	362.0	159.6
22ND	288.50	122.0	-22.5	3751	1625	32.5	-13.9	2499.2	-426.1	57.5	328.7	152.6
23RD	301.50	122.5	-22.2	3751	1625	32.7	-13.6	2377.2	-403.5	52.1	297.0	145.4
24TH	314.50	122.8	-21.7	3751	1625	32.7	-13.3	2254.7	-381.4	47.0	266.9	138.2
25TH	327.50	123.0	-21.2	3751	1625	32.8	-13.0	2131.9	-359.7	42.1	238.4	130.8
26TH	340.50	123.3	-20.7	3751	1625	32.9	-12.7	2008.8	-338.5	37.6	211.4	123.5
27TH	353.50	123.6	-20.2	3751	1625	33.0	-12.4	1885.5	-317.9	33.3	186.1	116.0
28TH	366.50	123.9	-19.7	3751	1625	33.0	-12.1	1762.0	-297.7	29.3	162.4	108.5
29TH	379.50	124.1	-19.2	3751	1625	33.1	-11.8	1638.1	-278.1	25.6	140.3	101.0
30TH	392.50	124.4	-18.7	3751	1625	33.2	-11.5	1514.0	-258.9	22.1	119.8	93.4
31ST	405.50	124.9	-18.8	3751	1625	33.3	-11.6	1389.6	-240.2	18.9	101.0	85.7
32ND	418.50	125.4	-19.2	3751	1625	33.4	-11.8	1264.7	-221.4	15.9	83.7	78.0
33RD	431.50	125.9	-19.5	3751	1625	33.6	-12.0	1139.3	-202.3	13.1	68.1	70.4
34TH	444.50	126.4	-19.9	3751	1625	33.7	-12.2	1013.4	-182.8	10.6	54.1	62.7
35TH	457.50	126.9	-20.3	3751	1625	33.8	-12.5	887.0	-162.9	8.4	41.7	55.1
36TH	470.50	127.4	-20.7	3751	1625	34.0	-12.7	760.1	-142.6	6.4	31.0	47.5
37TH	483.50	127.9	-21.0	3751	1625	34.1	-12.9	632.7	-121.9	4.7	22.0	39.9
38TH	496.50	128.3	-21.3	3751	1625	34.2	-13.1	504.9	-100.9	3.2	14.6	32.3
39TH	509.50	115.9	-20.7	3751	1625	30.9	-12.7	376.5	-79.6	2.0	8.9	24.7
40TH	522.50	115.7	-23.2	4328	1875	26.7	-12.4	260.6	-58.9	1.1	4.7	17.6
41ST	537.50	102.1	-24.0	4616	2000	22.1	-12.0	144.9	-35.7	.4	1.7	10.2
ROOF	553.50	42.8	-11.7	2308	1000	18.5	-11.7	42.8	-11.7	.0	.2	3.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 120 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	116.7	-25.1	3589	1563	32.5	-16.1	6061.1	-1205.4	335.6	1735.2	214.4
DUMY	12.50	53.8	-6.2	1457	1110	36.9	-5.5	5944.4	-1180.3	320.7	1660.2	211.1
2ND	18.50	161.9	-25.9	4372	3330	37.0	-7.8	5890.6	-1174.2	313.6	1624.7	210.1
3RD	36.50	102.8	-21.4	2793	2128	36.8	-10.1	5728.7	-1148.2	292.7	1520.1	206.7
DUMY	48.00	41.3	-8.9	1154	500	35.8	-17.7	5625.9	-1126.8	279.6	1454.8	204.1
4TH	52.00	161.3	-35.2	4472	1938	36.1	-18.2	5584.6	-1117.9	275.2	1432.4	203.0
5TH	67.50	132.9	-30.6	3751	1625	35.4	-18.8	5423.3	-1082.7	258.1	1347.1	198.8
6TH	80.50	130.7	-31.6	3751	1625	34.9	-19.4	5290.4	-1052.0	244.2	1277.5	195.2
7TH	93.50	128.6	-32.6	3751	1625	34.3	-20.0	5159.6	-1020.4	230.8	1209.5	191.7
8TH	106.50	129.4	-32.5	3751	1625	34.5	-20.0	5031.1	-987.9	217.7	1143.3	188.2
9TH	119.50	131.9	-31.9	3751	1625	35.2	-19.6	4901.7	-955.4	205.1	1078.7	184.5
10TH	132.50	134.4	-31.3	3751	1625	35.8	-19.3	4769.9	-923.5	192.9	1015.9	180.7
11TH	145.50	136.9	-30.7	3751	1625	36.5	-18.9	4635.5	-892.2	181.1	954.7	176.6
12TH	158.50	139.4	-30.1	3751	1625	37.2	-18.5	4498.6	-861.4	169.7	895.4	172.4
13TH	171.50	141.9	-29.5	3751	1625	37.8	-18.2	4359.3	-831.3	158.7	837.8	167.9
14TH	184.50	144.4	-28.9	3751	1625	38.5	-17.8	4217.4	-801.8	148.0	782.0	163.3
15TH	197.50	146.8	-28.4	3751	1625	39.1	-17.5	4073.0	-772.9	137.8	728.1	158.4
16TH	210.50	146.8	-28.4	3751	1625	39.2	-17.5	3926.2	-744.5	127.9	676.1	153.4
17TH	223.50	146.7	-28.4	3751	1625	39.1	-17.5	3779.4	-716.1	118.4	626.1	148.3
18TH	236.50	146.5	-28.4	3751	1625	39.1	-17.5	3632.7	-687.7	109.3	577.9	143.1
19TH	249.50	146.3	-28.4	3751	1625	39.0	-17.5	3486.2	-659.3	100.6	531.6	137.9
20TH	262.50	146.2	-28.4	3751	1625	39.0	-17.5	3339.8	-630.9	92.2	487.2	132.6
21ST	275.50	146.0	-28.4	3751	1625	38.9	-17.5	3193.7	-602.5	84.2	444.8	127.3
22ND	288.50	145.8	-28.4	3751	1625	38.9	-17.5	3047.7	-574.2	76.5	404.2	121.9
23RD	301.50	146.1	-28.4	3751	1625	38.9	-17.4	2901.8	-545.8	69.2	365.5	116.4
24TH	314.50	147.1	-28.3	3751	1625	39.2	-17.4	2755.8	-517.4	62.3	328.8	110.9
25TH	327.50	148.1	-28.2	3751	1625	39.5	-17.4	2608.7	-489.1	55.8	293.9	105.3
26TH	340.50	149.1	-28.2	3751	1625	39.8	-17.4	2460.6	-460.9	49.6	260.9	99.6
27TH	353.50	150.2	-28.1	3751	1625	40.0	-17.3	2311.4	-432.7	43.8	229.9	93.8
28TH	366.50	151.2	-28.1	3751	1625	40.3	-17.3	2161.3	-404.6	38.4	200.8	87.9
29TH	379.50	152.2	-28.0	3751	1625	40.6	-17.3	2010.1	-376.5	33.3	173.7	81.8
30TH	392.50	153.2	-28.0	3751	1625	40.9	-17.2	1857.9	-348.4	28.6	148.6	75.5
31ST	405.50	153.6	-28.0	3751	1625	41.0	-17.2	1704.6	-320.4	24.2	125.4	69.3
32ND	418.50	153.3	-27.9	3751	1625	40.9	-17.2	1551.0	-292.5	20.2	104.3	63.1
33RD	431.50	153.0	-27.9	3751	1625	40.8	-17.1	1397.7	-264.6	16.6	85.1	57.1
34TH	444.50	152.7	-27.8	3751	1625	40.7	-17.1	1244.7	-236.7	13.4	67.9	50.9
35TH	457.50	152.3	-27.8	3751	1625	40.6	-17.1	1092.1	-208.9	10.5	52.7	44.7
36TH	470.50	152.0	-27.7	3751	1625	40.5	-17.0	939.7	-181.2	7.9	39.5	38.5
37TH	483.50	151.7	-27.7	3751	1625	40.4	-17.0	787.7	-153.5	5.8	28.3	32.3
38TH	496.50	151.4	-27.5	3751	1625	40.4	-17.0	636.0	-125.8	3.9	19.1	26.1
39TH	509.50	140.5	-26.3	3751	1625	37.5	-16.2	484.6	-98.3	2.5	11.8	19.2
40TH	522.50	146.1	-28.9	4328	1875	33.8	-15.4	344.1	-71.9	1.4	6.4	14.2
41ST	537.50	136.9	-29.1	4616	2000	29.7	-14.6	198.0	-43.0	.5	2.3	8.2
ROOF	553.50	61.1	-13.9	2308	1000	26.5	-13.9	61.1	-13.9	.1	.2	2.5

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 130 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	121.1	-26.8	3589	1563	33.8	-17.1	6455.7	-1319.8	370.6	1861.1	169.6
DUMY	12.50	54.0	-9.1	1457	1110	37.1	-8.2	6334.5	-1293.0	354.3	1781.1	166.6
2ND	18.50	161.4	-33.7	4372	3330	36.9	-10.1	6280.5	-1283.9	346.6	1743.3	165.6
3RD	36.50	102.8	-24.6	2793	2128	36.8	-11.6	6119.1	-1250.2	323.8	1631.7	162.1
DUMY	48.00	42.4	-8.8	1154	500	36.7	-17.6	6016.3	-1225.6	309.5	1561.9	159.6
4TH	52.00	166.2	-34.6	4472	1938	37.2	-17.9	5973.9	-1216.7	304.6	1537.9	158.7
5TH	67.50	138.1	-29.6	3751	1625	36.8	-18.2	5807.7	-1182.1	286.1	1446.6	155.0
6TH	80.50	136.9	-30.1	3751	1625	36.5	-18.5	5669.6	-1152.5	270.9	1372.0	152.0
7TH	93.50	135.7	-30.7	3751	1625	36.2	-18.9	5532.7	-1122.4	256.1	1299.2	149.1
8TH	106.50	137.0	-31.0	3751	1625	36.5	-19.1	5397.0	-1091.7	241.7	1228.2	146.3
9TH	119.50	139.9	-31.2	3751	1625	37.3	-19.2	5260.0	-1060.7	227.7	1158.9	143.4
10TH	132.50	142.7	-31.4	3751	1625	38.1	-19.3	5120.1	-1029.5	214.1	1091.4	140.3
11TH	145.50	145.6	-31.5	3751	1625	38.8	-19.4	4977.4	-998.1	200.9	1025.8	137.1
12TH	158.50	148.4	-31.7	3751	1625	39.6	-19.5	4831.8	-966.6	188.2	962.0	133.7
13TH	171.50	151.3	-31.9	3751	1625	40.3	-19.6	4683.4	-934.8	175.8	900.2	130.2
14TH	184.50	154.2	-32.1	3751	1625	41.1	-19.7	4532.1	-903.0	163.9	840.3	126.6
15TH	197.50	156.9	-32.2	3751	1625	41.8	-19.8	4377.9	-870.9	152.3	782.4	122.8
16TH	210.50	157.2	-32.4	3751	1625	41.9	-20.0	4221.0	-838.7	141.2	726.5	118.8
17TH	223.50	157.4	-32.7	3751	1625	42.0	-20.1	4063.7	-806.2	130.5	672.6	114.8
18TH	236.50	157.5	-32.9	3751	1625	42.0	-20.2	3906.4	-773.6	120.3	620.8	110.8
19TH	249.50	157.6	-33.1	3751	1625	42.0	-20.4	3748.9	-740.7	110.4	571.1	106.7
20TH	262.50	157.7	-33.3	3751	1625	42.1	-20.5	3591.3	-707.6	101.0	523.3	102.6
21ST	275.50	157.9	-33.5	3751	1625	42.1	-20.6	3433.5	-674.3	92.0	477.7	98.5
22ND	288.50	158.0	-33.8	3751	1625	42.1	-20.8	3275.7	-640.7	83.5	434.1	94.3
23RD	301.50	158.3	-33.8	3751	1625	42.2	-20.8	3117.7	-607.0	75.4	392.5	90.1
24TH	314.50	158.9	-33.3	3751	1625	42.4	-20.5	2959.4	-573.2	67.7	353.0	85.9
25TH	327.50	159.6	-32.9	3751	1625	42.5	-20.2	2800.4	-539.0	60.5	315.6	81.5
26TH	340.50	160.2	-32.5	3751	1625	42.7	-20.0	2640.9	-507.0	53.7	280.2	77.1
27TH	353.50	160.8	-32.0	3751	1625	42.9	-19.7	2480.7	-474.6	47.3	246.9	72.6
28TH	366.50	161.5	-31.6	3751	1625	43.1	-19.4	2319.8	-442.5	41.3	215.7	68.0
29TH	379.50	162.1	-31.2	3751	1625	43.2	-19.2	2158.3	-411.0	35.8	186.6	63.3
30TH	392.50	162.8	-30.7	3751	1625	43.4	-18.9	1996.2	-379.8	30.6	159.6	58.5
31ST	405.50	163.5	-30.7	3751	1625	43.6	-18.9	1833.5	-349.1	25.9	134.7	53.6
32ND	418.50	163.9	-30.8	3751	1625	43.7	-18.9	1670.0	-318.4	21.6	111.9	48.8
33RD	431.50	164.2	-30.9	3751	1625	43.8	-19.0	1506.1	-287.6	17.6	91.3	43.9
34TH	444.50	164.6	-31.0	3751	1625	43.9	-19.1	1341.9	-256.7	14.1	72.8	39.1
35TH	457.50	165.0	-31.2	3751	1625	44.0	-19.2	1177.3	-225.7	10.9	56.4	34.3
36TH	470.50	165.4	-31.3	3751	1625	44.1	-19.2	1012.3	-194.5	8.2	42.2	29.5
37TH	483.50	165.7	-31.4	3751	1625	44.2	-19.3	847.0	-163.3	5.9	30.1	24.7
38TH	496.50	166.0	-31.4	3751	1625	44.3	-19.3	681.2	-131.9	4.0	20.2	20.0
39TH	509.50	152.4	-28.8	3751	1625	40.6	-17.8	515.2	-100.5	2.5	12.4	15.3
40TH	522.50	156.3	-30.2	4328	1875	36.1	-16.1	362.8	-71.6	1.3	6.7	10.9
41ST	537.50	143.6	-28.6	4616	2000	31.1	-14.3	206.5	-41.4	.5	2.4	6.3
ROOF	553.50	62.9	-12.9	2308	1000	27.2	-12.9	62.9	-12.9	.1	.3	1.9

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 140 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	119.6	-31.0	3589	1563	33.3	-19.8	6679.5	-1537.2	443.8	1947.9	118.5
DUMY	12.50	52.6	-14.2	1457	1110	36.1	-12.8	6560.0	-1506.3	424.8	1865.1	116.4
2ND	18.50	157.4	-42.7	4372	3330	36.0	-12.8	6507.3	-1492.1	415.8	1825.9	115.5
3RD	36.50	100.5	-28.5	2793	2128	36.0	-13.4	6350.0	-1449.4	389.8	1710.8	112.8
DUMY	48.00	41.9	-9.6	1154	500	36.3	-19.1	6249.5	-1421.0	372.8	1637.8	110.8
4TH	52.00	164.5	-37.2	4472	1938	36.8	-19.2	6207.6	-1411.4	367.2	1612.9	110.2
5TH	67.50	137.3	-31.4	3751	1625	36.6	-19.3	6043.1	-1374.2	345.9	1517.9	107.9
6TH	80.50	136.6	-31.5	3751	1625	36.4	-19.4	5905.8	-1342.9	327.9	1440.2	105.9
7TH	93.50	136.0	-31.7	3751	1625	36.3	-19.5	5769.2	-1311.3	310.7	1364.4	103.9
8TH	106.50	137.5	-32.1	3751	1625	36.7	-19.7	5633.2	-1279.6	293.4	1290.2	101.9
9TH	119.50	140.5	-32.5	3751	1625	37.5	-20.0	5495.7	-1247.5	277.4	1217.4	99.9
10TH	132.50	143.4	-32.9	3751	1625	38.2	-20.2	5355.2	-1215.1	261.4	1147.4	97.9
11TH	145.50	146.4	-33.3	3751	1625	39.0	-20.5	5211.7	-1182.2	245.8	1078.7	95.9
12TH	158.50	149.4	-33.7	3751	1625	39.8	-20.7	5065.3	-1148.9	230.6	1011.9	92.1
13TH	171.50	152.3	-34.0	3751	1625	40.6	-20.9	4916.0	-1115.3	215.9	947.0	90.7
14TH	184.50	155.3	-34.4	3751	1625	41.4	-21.2	4763.6	-1081.2	201.7	884.1	88.7
15TH	197.50	158.2	-34.8	3751	1625	42.2	-21.4	4608.4	-1046.8	187.8	823.2	85.2
16TH	210.50	159.8	-35.5	3751	1625	42.6	-21.8	4450.2	-1011.9	174.4	764.1	82.9
17TH	223.50	161.5	-36.1	3751	1625	43.0	-22.2	4290.4	-976.4	161.4	707.2	79.7
18TH	236.50	163.1	-36.8	3751	1625	43.5	-22.6	4128.9	-940.3	149.1	652.8	77.4
19TH	249.50	164.7	-37.4	3751	1625	43.9	-23.0	3965.8	-903.5	137.6	600.9	74.1
20TH	262.50	166.3	-38.1	3751	1625	44.3	-23.4	3801.1	-866.1	125.6	549.1	71.8
21ST	275.50	167.9	-38.7	3751	1625	44.8	-23.8	3634.8	-828.0	114.0	501.3	68.5
22ND	288.50	169.6	-39.4	3751	1625	45.2	-24.2	3466.9	-789.2	104.2	455.1	66.2
23RD	301.50	171.0	-39.8	3751	1625	45.6	-24.5	3297.3	-749.8	94.4	411.2	62.9
24TH	314.50	171.5	-39.6	3751	1625	45.7	-24.3	3126.3	-710.5	84.6	369.9	59.9
25TH	327.50	171.9	-39.4	3751	1625	45.8	-24.2	2954.9	-670.5	75.7	329.6	55.2
26TH	340.50	172.4	-39.2	3751	1625	46.0	-24.1	2782.9	-631.1	67.7	292.7	52.9
27TH	353.50	172.9	-39.0	3751	1625	46.1	-24.0	2610.5	-592.0	59.9	257.6	49.6
28TH	366.50	173.4	-38.8	3751	1625	46.2	-23.9	2437.6	-553.2	51.8	224.7	46.3
29TH	379.50	173.9	-38.6	3751	1625	46.4	-23.8	2264.2	-514.2	44.8	194.5	43.0
30TH	392.50	174.4	-38.4	3751	1625	46.5	-23.6	2090.4	-475.5	38.2	165.9	40.7
31ST	405.50	174.4	-38.4	3751	1625	46.5	-23.7	1916.0	-437.1	32.1	139.8	36.3
32ND	418.50	174.0	-38.6	3751	1625	46.4	-23.7	1741.6	-398.1	27.2	116.4	33.0
33RD	431.50	173.6	-38.7	3751	1625	46.3	-23.8	1567.6	-360.1	22.2	94.5	30.2
34TH	444.50	173.2	-38.8	3751	1625	46.2	-23.9	1394.0	-321.4	17.3	75.8	26.3
35TH	457.50	172.9	-39.0	3751	1625	46.1	-24.0	1220.7	-282.5	13.0	58.3	23.3
36TH	470.50	172.5	-39.1	3751	1625	46.0	-24.1	1047.8	-243.3	9.1	43.1	20.6
37TH	483.50	172.1	-39.2	3751	1625	45.9	-24.1	875.4	-204.0	5.7	30.1	18.8
38TH	496.50	171.6	-39.2	3751	1625	45.8	-24.1	703.3	-165.2	3.1	20.8	17.6
39TH	509.50	157.4	-36.1	3751	1625	42.0	-22.2	531.6	-126.9	1.4	12.6	9.5
40TH	522.50	161.3	-37.9	4328	1875	37.3	-20.2	374.2	-89.9	.6	6.2	4.3
41ST	537.50	148.1	-35.8	4616	2000	32.1	-17.9	212.9	-52.0	.1	1.7	1.6
ROOF	553.50	64.8	-16.2	2308	1000	28.1	-16.2	64.8	-16.2	0	0	0

TABLE 7. SHEAR AND MOMENT DIAGRAMS ; YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 150 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	118.0	-34.9	3589	1563	32.9	-22.3	6859.9	-1811.8	528.7	2011.3	74.0
DUMY	12.50	52.9	-18.0	1457	1110	36.3	-16.3	6741.9	-1777.0	506.3	1926.3	72.3
2ND	18.50	158.0	-51.5	4372	3330	36.1	-15.5	6689.0	-1758.9	495.7	1886.0	71.4
3RD	36.50	101.4	-33.7	2793	2128	36.3	-15.9	6531.0	-1707.5	464.5	1767.0	68.8
DUMY	48.00	42.6	-10.6	1154	500	36.9	-21.1	6429.6	-1673.7	445.1	1692.5	67.1
4TH	52.00	168.3	-41.3	4472	1938	37.6	-21.3	6387.0	-1663.1	438.4	1666.9	66.7
5TH	67.50	139.9	-35.0	3751	1625	37.3	-21.6	6218.7	-1621.9	412.9	1569.2	64.8
6TH	80.50	138.8	-35.4	3751	1625	37.0	-21.8	6078.8	-1586.8	392.1	1489.2	63.4
7TH	93.50	137.7	-35.8	3751	1625	36.7	-22.0	5940.0	-1551.4	371.7	1411.1	62.0
8TH	106.50	139.3	-36.5	3751	1625	37.1	-22.4	5802.2	-1515.6	351.7	1334.8	60.8
9TH	119.50	142.6	-37.1	3751	1625	38.0	-22.9	5662.9	-1479.2	332.3	1260.3	59.5
10TH	132.50	146.0	-37.8	3751	1625	38.9	-23.3	5520.3	-1442.0	313.3	1187.6	58.1
11TH	145.50	149.3	-38.5	3751	1625	39.8	-23.7	5374.3	-1404.2	294.8	1116.8	56.7
12TH	158.50	152.6	-39.2	3751	1625	40.7	-24.1	5225.1	-1365.8	276.8	1047.9	55.1
13TH	171.50	155.9	-39.8	3751	1625	41.6	-24.5	5072.5	-1326.6	259.3	980.9	53.5
14TH	184.50	159.3	-40.5	3751	1625	42.5	-24.9	4916.5	-1286.8	242.3	916.0	51.8
15TH	197.50	162.5	-41.1	3751	1625	43.3	-25.3	4757.2	-1246.3	225.8	853.1	50.0
16TH	210.50	164.1	-41.8	3751	1625	43.8	-25.7	4594.7	-1205.1	209.9	792.3	48.2
17TH	223.50	165.6	-42.4	3751	1625	44.2	-26.1	4430.6	-1163.4	194.5	733.7	46.3
18TH	236.50	167.1	-43.1	3751	1625	44.6	-26.5	4265.0	-1120.9	179.7	677.1	44.4
19TH	249.50	168.6	-43.7	3751	1625	45.0	-26.9	4097.9	-1077.8	165.4	622.8	42.5
20TH	262.50	170.1	-44.4	3751	1625	45.4	-27.3	3929.3	-1034.1	151.6	570.6	40.6
21ST	275.50	171.6	-45.0	3751	1625	45.8	-27.7	3759.2	-989.7	138.5	520.6	38.8
22ND	288.50	173.1	-45.7	3751	1625	46.2	-28.1	3587.5	-944.7	125.9	472.9	36.9
23RD	301.50	174.5	-46.1	3751	1625	46.5	-28.4	3414.4	-899.0	113.9	427.4	35.1
24TH	314.50	175.4	-46.0	3751	1625	46.8	-28.3	3239.9	-852.9	102.5	384.1	33.2
25TH	327.50	176.2	-45.9	3751	1625	47.0	-28.3	3064.5	-806.9	91.7	343.1	31.3
26TH	340.50	177.1	-45.9	3751	1625	47.2	-28.2	2888.3	-761.0	81.6	304.4	29.5
27TH	353.50	177.9	-45.8	3751	1625	47.4	-28.2	2711.2	-715.1	72.0	268.0	27.7
28TH	366.50	178.8	-45.7	3751	1625	47.7	-28.1	2533.3	-669.3	63.0	234.0	25.8
29TH	379.50	179.6	-45.7	3751	1625	47.9	-28.1	2354.5	-623.6	54.6	202.2	24.0
30TH	392.50	180.5	-45.6	3751	1625	48.1	-28.1	2174.9	-577.9	46.8	172.7	22.1
31ST	405.50	180.8	-45.9	3751	1625	48.2	-28.2	1994.4	-532.3	39.5	145.6	20.3
32ND	418.50	180.6	-46.3	3751	1625	48.2	-28.5	1813.6	-486.4	32.9	120.9	18.5
33RD	431.50	180.4	-46.8	3751	1625	48.1	-28.8	1633.0	-440.1	26.9	98.5	16.6
34TH	444.50	180.2	-47.3	3751	1625	48.1	-29.1	1452.6	-393.3	21.5	78.4	14.8
35TH	457.50	180.1	-47.8	3751	1625	48.0	-29.4	1272.3	-346.0	16.7	60.7	12.9
36TH	470.50	179.9	-48.2	3751	1625	48.0	-29.7	1092.2	-298.3	12.5	45.4	11.1
37TH	483.50	179.7	-48.7	3751	1625	47.9	-30.0	912.4	-250.0	8.9	32.3	9.2
38TH	496.50	179.4	-49.0	3751	1625	47.8	-30.1	732.6	-201.3	6.0	21.6	7.3
39TH	509.50	164.3	-44.6	3751	1625	43.8	-27.5	553.2	-152.4	3.7	13.3	5.4
40TH	522.50	168.0	-46.1	4328	1875	38.8	-24.6	388.9	-107.8	2.0	7.1	3.7
41ST	537.50	153.8	-42.6	4616	2000	33.3	-21.4	220.9	-61.7	.7	2.6	2.0
ROOF	553.50	67.1	-18.9	2308	1000	29.1	-18.9	67.1	-18.9	.1	.3	.6

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 160 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	112.6	-40.3	3589	1563	31.4	-25.8	6831.5	-1951.0	564.6	2005.7	20.8
DUMMY	13.50	53.1	-22.4	1457	1110	36.4	-20.1	6718.9	-1910.7	540.5	1921.9	20.1
2ND	18.50	158.3	-59.9	4372	3330	36.2	-18.0	6665.8	-1888.4	529.1	1880.8	19.4
3RD	36.50	101.6	-36.5	2793	2128	36.4	-17.2	6507.6	-1828.4	495.6	1762.3	17.6
DUMMY	48.00	41.7	-11.4	1154	500	36.1	-22.8	6405.9	-1791.9	474.8	1688.9	16.6
4TH	52.00	165.4	-44.3	4472	1938	37.0	-22.9	6364.3	-1780.5	467.7	1662.5	16.4
5TH	67.50	138.2	-37.3	3751	1625	36.8	-22.9	6198.9	-1736.2	440.4	1565.1	15.4
6TH	80.50	137.7	-37.4	3751	1625	36.7	-23.0	6060.8	-1699.0	418.1	1485.4	14.7
7TH	93.50	137.2	-37.5	3751	1625	36.6	-23.1	5923.1	-1661.6	396.2	1407.5	14.0
8TH	106.50	139.1	-38.3	3751	1625	37.1	-23.6	5785.9	-1624.1	374.9	1331.4	13.4
9TH	119.50	142.4	-39.3	3751	1625	38.0	-24.2	5646.8	-1585.9	354.0	1257.1	12.8
10TH	132.50	145.8	-40.3	3751	1625	38.9	-24.8	5504.4	-1546.6	333.3	1184.6	12.2
11TH	145.50	149.1	-41.2	3751	1625	39.9	-25.4	5358.6	-1506.3	313.0	1114.0	11.6
12TH	158.50	152.5	-42.2	3751	1625	40.7	-26.0	5209.4	-1465.1	294.5	1045.3	11.0
13TH	171.50	155.8	-43.2	3751	1625	41.6	-26.6	5056.9	-1422.9	275.7	978.5	10.4
14TH	184.50	159.2	-44.2	3751	1625	42.4	-27.2	4901.1	-1379.6	257.5	913.9	9.9
15TH	197.50	162.5	-45.2	3751	1625	43.3	-27.8	4741.9	-1335.4	239.8	851.2	9.3
16TH	210.50	165.8	-45.9	3751	1625	43.7	-28.2	4579.4	-1290.2	222.8	790.6	8.8
17TH	223.50	169.1	-46.5	3751	1625	44.0	-28.6	4415.6	-1244.4	206.4	732.1	8.3
18TH	236.50	166.4	-47.2	3751	1625	44.4	-29.0	4250.5	-1197.8	190.4	675.8	7.8
19TH	249.50	167.7	-47.9	3751	1625	44.7	-29.4	4084.1	-1150.7	175.1	621.6	7.4
20TH	262.50	168.9	-48.5	3751	1625	45.0	-29.9	3916.5	-1102.8	160.5	569.6	7.1
21ST	275.50	170.2	-49.2	3751	1625	45.4	-30.3	3747.5	-1054.3	146.5	519.8	6.8
22ND	288.50	171.5	-49.9	3751	1625	45.7	-30.7	3577.3	-1005.1	133.1	472.2	6.6
23RD	301.50	172.7	-50.1	3751	1625	46.0	-30.9	3405.8	-955.2	120.4	426.8	6.5
24TH	314.50	173.8	-50.3	3751	1625	46.3	-30.7	3233.1	-905.1	108.3	383.7	6.4
25TH	327.50	175.0	-49.8	3751	1625	46.7	-30.6	3059.3	-855.1	96.9	342.8	6.2
26TH	340.50	176.1	-49.6	3751	1625	47.0	-30.5	2884.3	-805.4	86.1	304.1	6.0
27TH	353.50	177.3	-49.4	3751	1625	47.3	-30.4	2708.2	-755.8	75.9	267.7	5.8
28TH	366.50	178.5	-49.2	3751	1625	47.6	-30.3	2530.9	-706.3	66.4	233.7	5.5
29TH	379.50	179.6	-49.1	3751	1625	47.9	-30.2	2352.4	-657.0	57.5	202.0	5.1
30TH	392.50	180.8	-48.9	3751	1625	48.2	-30.1	2172.8	-608.0	49.3	172.6	4.7
31ST	405.50	181.1	-48.9	3751	1625	48.3	-30.1	1992.1	-559.2	41.8	145.5	4.3
32ND	418.50	180.7	-49.1	3751	1625	48.2	-30.2	1811.0	-510.2	34.8	120.8	3.9
33RD	431.50	180.4	-49.2	3751	1625	48.1	-30.3	1630.2	-461.2	28.5	98.4	3.6
34TH	444.50	180.0	-49.3	3751	1625	48.0	-30.3	1449.9	-412.0	22.8	78.4	3.2
35TH	457.50	179.6	-49.4	3751	1625	47.9	-30.4	1269.9	-362.7	17.8	60.7	2.9
36TH	470.50	179.2	-49.6	3751	1625	47.8	-30.5	1090.3	-313.2	13.4	45.4	2.6
37TH	483.50	178.9	-49.7	3751	1625	47.7	-30.6	911.0	-263.7	9.6	32.4	2.3
38TH	496.50	178.4	-49.1	3751	1625	47.6	-30.6	732.2	-213.9	6.5	21.7	2.1
39TH	509.50	163.6	-46.1	3751	1625	43.6	-28.4	553.8	-164.3	4.1	13.3	1.8
40TH	522.50	167.9	-49.0	4328	1875	38.8	-26.2	390.2	-118.1	2.2	7.2	1.6
41ST	537.50	154.5	-47.3	4616	2000	33.5	-23.7	222.3	-69.1	1.1	2.6	1.4
ROOF	553.50	67.8	-21.8	2308	1000	29.4	-21.8	67.8	-21.8	.1	.3	1.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 170 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
1ST	0.00	98.4	-37.7	3589	1563	27.4	-24.1	6388.6	-1855.8	547.6	1890.7	5.9
DUMY	12.50	48.5	-21.5	1457	1110	33.3	-19.3	6290.2	-1818.1	524.6	1811.4	5.8
2ND	18.50	144.7	-58.9	4372	3330	33.1	-17.7	6241.7	-1796.7	513.8	1773.8	5.3
3RD	36.50	93.3	-35.8	2793	2128	33.4	-16.8	6097.0	-1737.7	482.0	1662.8	3.9
DUMY	48.00	38.0	-10.6	1154	500	33.0	-21.2	6003.7	-1701.9	462.2	1593.2	3.2
4TH	52.00	152.2	-41.2	4472	1938	34.0	-21.3	5965.7	-1691.3	455.4	1569.3	3.1
5TH	67.50	128.3	-34.7	3751	1625	34.2	-21.4	5813.4	-1650.1	429.5	1478.0	2.6
6TH	80.50	128.8	-34.9	3751	1625	34.3	-21.5	5685.2	-1615.4	408.3	1403.2	2.3
7TH	93.50	129.3	-35.1	3751	1625	34.5	-21.6	5556.4	-1580.5	387.5	1330.2	1.9
8TH	106.50	130.9	-35.7	3751	1625	34.9	-22.0	5427.1	-1545.4	367.2	1258.8	1.5
9TH	119.50	133.4	-36.4	3751	1625	35.6	-22.4	5296.2	-1509.7	347.3	1189.1	1.2
10TH	132.50	135.9	-37.2	3751	1625	36.2	-22.9	5162.7	-1473.3	327.9	1121.1	.8
11TH	145.50	138.4	-37.9	3751	1625	36.9	-23.3	5026.8	-1436.1	309.0	1054.8	.4
12TH	158.50	140.9	-38.7	3751	1625	37.6	-23.8	4888.4	-1398.2	290.6	990.4	.0
13TH	171.50	143.4	-39.4	3751	1625	38.2	-24.2	4747.5	-1359.6	272.7	927.8	-.4
14TH	184.50	145.9	-40.1	3751	1625	38.9	-24.7	4604.1	-1320.2	255.2	867.0	-.8
15TH	197.50	148.4	-40.8	3751	1625	39.6	-25.1	4458.2	-1280.0	238.3	808.1	-1.2
16TH	210.50	150.0	-41.4	3751	1625	40.0	-25.5	4309.8	-1239.2	222.0	751.1	-1.5
17TH	223.50	151.5	-41.9	3751	1625	40.4	-25.8	4159.8	-1197.8	206.1	696.0	-1.9
18TH	236.50	153.0	-42.5	3751	1625	40.8	-26.1	4008.3	-1155.9	190.8	642.9	-2.1
19TH	249.50	154.5	-43.0	3751	1625	41.2	-26.5	3855.4	-1113.4	176.1	591.8	-2.4
20TH	262.50	155.9	-43.6	3751	1625	41.6	-26.8	3700.9	-1070.3	161.9	542.7	-2.5
21ST	275.50	157.4	-44.1	3751	1625	42.0	-27.2	3545.0	-1026.7	148.3	495.6	-2.6
22ND	288.50	158.9	-44.7	3751	1625	42.4	-27.5	3387.5	-982.6	135.2	450.5	-2.6
23RD	301.50	160.4	-45.0	3751	1625	42.8	-27.7	3228.6	-937.9	122.7	407.5	-2.6
24TH	314.50	161.8	-45.2	3751	1625	43.1	-27.8	3068.2	-892.9	110.8	366.6	-2.6
25TH	327.50	163.3	-45.3	3751	1625	43.5	-27.9	2906.4	-847.7	99.5	327.8	-2.5
26TH	340.50	164.7	-45.4	3751	1625	43.9	-27.9	2743.2	-802.5	88.8	291.1	-2.5
27TH	353.50	166.2	-45.5	3751	1625	44.3	-28.0	2578.4	-757.1	78.6	256.5	-2.5
28TH	366.50	167.6	-45.6	3751	1625	44.7	-28.1	2412.3	-711.6	69.1	224.0	-2.6
29TH	379.50	169.1	-45.7	3751	1625	45.1	-28.1	2244.7	-666.0	60.1	193.8	-2.6
30TH	392.50	170.5	-45.8	3751	1625	45.5	-28.2	2075.6	-620.2	51.8	165.7	-2.7
31ST	405.50	171.2	-46.5	3751	1625	45.7	-28.6	1905.1	-574.4	44.0	139.8	-2.8
32ND	418.50	171.2	-47.4	3751	1625	45.7	-29.2	1733.9	-527.9	36.8	116.1	-2.9
33RD	431.50	171.2	-48.3	3751	1625	45.7	-29.7	1562.7	-480.5	30.3	94.7	-2.9
34TH	444.50	171.3	-49.1	3751	1625	45.7	-30.2	1391.4	-432.2	24.4	75.5	-2.9
35TH	457.50	171.3	-50.0	3751	1625	45.7	-30.8	1220.2	-383.1	19.1	58.5	-2.8
36TH	470.50	171.3	-50.9	3751	1625	45.7	-31.3	1048.9	-333.1	14.4	43.8	-2.6
37TH	483.50	171.3	-51.8	3751	1625	45.7	-31.9	877.6	-282.1	10.4	31.3	-2.5
38TH	496.50	171.1	-52.5	3751	1625	45.6	-32.3	706.3	-230.3	7.1	21.0	-2.2
39TH	509.50	157.3	-49.2	3751	1625	41.9	-30.3	535.2	-177.8	4.4	12.9	-1.9
40TH	522.50	162.0	-52.8	4328	1875	37.4	-28.2	377.9	-128.6	2.4	7.0	-1.6
41ST	537.50	149.8	-51.7	4616	2000	32.5	-25.9	215.8	-75.8	.9	2.5	-1.1
ROOF	553.50	66.0	-24.1	2308	1000	28.6	-24.1	66.0	-24.1	1	.3	-.4

TABLE 7 SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 180 CONFIGURATION A REFERENCE PRESSURE 42.9 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	80.9	-37.7	3589	1563	22.5	-24.1	4932.8	-1947.5	586.3	1452.3	-55.0
DUMY	12.50	42.1	-22.5	1457	1110	28.9	-20.2	4851.9	-1909.8	562.2	1391.1	-54.1
2ND	18.50	126.5	-63.6	4372	3330	28.9	-19.1	4809.8	-1887.3	550.8	1362.1	-54.2
3RD	36.50	81.1	-40.3	2793	2128	29.0	-18.9	4683.3	-1823.7	517.4	1276.7	-54.3
DUMY	48.00	30.7	-11.0	1154	500	26.6	-22.0	4602.2	-1783.5	496.6	1223.3	-54.4
4TH	52.00	121.9	-42.4	4472	1938	27.3	-21.9	4571.4	-1772.5	489.5	1204.9	-54.1
5TH	67.50	101.9	-35.4	3751	1625	27.2	-21.8	4449.5	-1730.1	462.4	1135.0	-53.2
6TH	80.50	101.6	-35.2	3751	1625	27.1	-21.6	4347.6	-1694.8	440.1	1077.8	-52.3
7TH	93.50	101.3	-35.0	3751	1625	27.0	-21.5	4246.9	-1659.6	418.3	1022.0	-51.5
8TH	106.50	102.4	-35.4	3751	1625	27.3	-21.8	4144.7	-1624.6	397.0	967.4	-50.7
9TH	119.50	104.2	-36.0	3751	1625	27.8	-22.2	4042.3	-1589.2	376.1	914.2	-49.8
10TH	132.50	106.0	-36.6	3751	1625	28.3	-22.5	3938.1	-1553.2	355.7	862.4	-48.9
11TH	145.50	107.7	-37.2	3751	1625	28.7	-22.9	3832.2	-1516.6	335.7	811.8	-48.0
12TH	158.50	109.5	-37.8	3751	1625	29.2	-23.2	3724.4	-1479.4	316.2	762.7	-47.1
13TH	171.50	111.3	-38.3	3751	1625	29.7	-23.6	3614.9	-1441.7	297.2	715.0	-46.2
14TH	184.50	113.1	-38.9	3751	1625	30.1	-24.0	3503.6	-1403.3	278.8	668.8	-45.3
15TH	197.50	114.8	-39.5	3751	1625	30.6	-24.3	3390.6	-1364.4	260.8	623.9	-44.3
16TH	210.50	114.9	-40.1	3751	1625	30.6	-24.8	3275.8	-1324.9	243.3	580.6	-43.4
17TH	223.50	114.9	-41.1	3751	1625	30.6	-25.3	3161.0	-1284.6	226.3	538.8	-42.4
18TH	236.50	114.9	-41.9	3751	1625	30.6	-25.8	3046.1	-1243.5	209.9	498.4	-41.3
19TH	249.50	115.0	-42.7	3751	1625	30.6	-26.3	2931.1	-1201.6	194.0	459.6	-40.2
20TH	262.50	115.0	-43.5	3751	1625	30.7	-26.8	2816.2	-1158.9	178.7	422.2	-39.0
21ST	275.50	115.0	-44.3	3751	1625	30.7	-27.3	2701.2	-1115.4	163.9	386.4	-37.8
22ND	288.50	115.0	-45.2	3751	1625	30.7	-27.8	2586.2	-1071.0	149.7	352.0	-36.5
23RD	301.50	115.6	-46.0	3751	1625	30.8	-28.3	2471.2	-1025.9	136.0	319.1	-35.2
24TH	314.50	117.4	-46.6	3751	1625	31.3	-28.7	2355.5	-979.9	123.0	287.7	-33.8
25TH	327.50	119.1	-47.3	3751	1625	31.8	-29.1	2238.2	-933.3	110.6	257.9	-32.3
26TH	340.50	120.8	-47.9	3751	1625	32.2	-29.5	2119.1	-886.0	98.7	229.6	-30.8
27TH	353.50	122.6	-48.6	3751	1625	32.7	-29.9	1998.3	-838.0	87.5	202.8	-29.3
28TH	366.50	124.3	-49.2	3751	1625	33.1	-30.3	1875.7	-789.5	76.9	177.6	-27.7
29TH	379.50	126.0	-49.9	3751	1625	33.6	-30.7	1751.4	-740.2	67.0	154.0	-26.1
30TH	392.50	127.8	-50.5	3751	1625	34.1	-31.1	1625.4	-690.3	57.7	132.1	-24.4
31ST	405.50	129.1	-51.5	3751	1625	34.4	-31.7	1497.6	-639.8	49.1	111.8	-22.7
32ND	418.50	130.1	-52.5	3751	1625	34.7	-32.3	1368.6	-588.3	41.1	93.2	-21.0
33RD	431.50	131.1	-53.6	3751	1625	35.0	-33.0	1238.5	-535.8	33.8	76.2	-19.2
34TH	444.50	132.1	-54.7	3751	1625	35.2	-33.7	1107.4	-482.2	27.2	61.0	-17.3
35TH	457.50	133.1	-55.8	3751	1625	35.5	-34.3	975.3	-427.5	21.2	47.4	-15.4
36TH	470.50	134.1	-56.9	3751	1625	35.8	-35.0	842.2	-371.7	16.0	35.6	-13.5
37TH	483.50	135.1	-57.9	3751	1625	36.0	-35.7	708.1	-314.8	11.6	25.5	-11.6
38TH	496.50	136.0	-58.8	3751	1625	36.3	-36.2	573.0	-256.9	7.9	17.2	-9.6
39TH	509.50	126.1	-55.1	3751	1625	33.6	-33.9	437.0	-198.0	4.9	10.6	-7.6
40TH	522.50	131.6	-59.0	4328	1875	30.4	-31.4	310.9	-142.9	2.7	5.8	-5.6
41ST	537.50	123.8	-57.4	4616	2000	26.8	-28.7	179.4	-84.0	1.0	2.1	-3.4
ROOF	553.50	55.5	-26.6	2308	1000	24.1	-26.6	55.5	-26.6	.1	.2	-1.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 190 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
1ST	0.00	75.0	-46.1	3589	1563	20.9	-29.5	4418.9	-2463.5	731.1	1286.6	-110.1
DUMY	12.50	41.1	-28.2	1457	1110	28.2	-25.4	4343 9	-2417 3	700.6	1231.8	-108.5
2ND	18.50	122.6	-79.8	4372	3330	28.0	-24.0	4302.7	-2389 1	686.2	1205.8	-108.4
3RD	36 50	78.6	-52.4	2793	2128	28.2	-24.6	4180 1	-2309 3	643 9	1129.5	-108.3
DUMY	46.00	27.8	-13.6	1154	500	24.1	-27.1	4101.4	-2256 9	617.6	1081 9	-108.3
4TH	52.00	110.7	-53.0	4472	1938	24.7	-27.3	4073.6	-2243.3	608.6	1065.5	-107.9
5TH	67.50	92.5	-45.0	3751	1625	24.7	-27.7	3962.9	-2190 3	574.3	1003.2	-106.1
6TH	80.50	92.2	-45.5	3751	1625	24.6	-28.0	3870 5	-2145.4	546 1	952.3	-104.7
7TH	93.50	91.9	-46.0	3751	1625	24.5	-28.3	3778.3	-2099 9	518.5	902.6	-103.1
8TH	106.50	92.9	-46.9	3751	1625	24.8	-28.9	3686.4	-2053 9	491 5	854.1	-101.6
9TH	119.50	94.4	-47.9	3751	1625	25.2	-29.5	3593.5	-2006 9	465 1	806.8	-100.0
10TH	132.50	95.9	-48.8	3751	1625	25.6	-30.0	3499 1	-1959 0	439 3	760.7	-98.2
11TH	145.50	97.4	-49.8	3751	1625	26.0	-30.6	3403.2	-1910.2	414.2	715.8	-96.4
12TH	158.50	98.9	-50.7	3751	1625	26.4	-31.2	3305.9	-1860.4	389.6	672.2	-94.4
13TH	171.50	100.4	-51.7	3751	1625	26.8	-31.8	3207.0	-1809.7	365.8	629 9	-92.3
14TH	184.50	101.9	-52.6	3751	1625	27.2	-32.4	3106.6	-1758.0	342.6	588.8	-90.2
15TH	197.50	103.2	-53.5	3751	1625	27.5	-32.9	3004.8	-1705.4	320.1	549.1	-87.9
16TH	210.50	103.4	-54.0	3751	1625	27.6	-33.2	2901.6	-1651 9	298.3	510.7	-85.5
17TH	223.50	103.5	-54.4	3751	1625	27.6	-33.5	2798.2	-1597 9	277.1	473.7	-83.0
18TH	236.50	103.7	-54.9	3751	1625	27.6	-33.8	2694.7	-1543 5	256.7	438.0	-80.5
19TH	249.50	103.8	-55.4	3751	1625	27.7	-34.1	2591.1	-1488.6	237 0	403.6	-77.9
20TH	262.50	103.9	-55.8	3751	1625	27.7	-34.4	2487.3	-1433.2	218.0	370.6	-75.3
21ST	275.50	104.1	-56.3	3751	1625	27.8	-34.6	2383.3	-1377.4	199.8	338.9	-72.6
22ND	288.50	104.2	-56.8	3751	1625	27.8	-34.9	2279.2	-1321 1	182.2	308.6	-69.8
23RD	301.50	104.7	-57.4	3751	1625	27.9	-35.3	2175.0	-1264.3	165.4	279.7	-67.0
24TH	314.50	105.6	-58.4	3751	1625	28.2	-35.9	2070.3	-1206.9	149.3	252.1	-64.1
25TH	327.50	106.6	-59.3	3751	1625	28.4	-36.5	1964.6	-1148.5	134.0	225.9	-61.1
26TH	340.50	107 5	-60.3	3751	1625	28.7	-37.1	1858.1	-1089.2	119.5	201.0	-58.0
27TH	353.50	108.5	-61.2	3751	1625	28.9	-37.7	1750.5	-1028.9	105.7	177.5	-54.9
28TH	366.50	109.4	-62.2	3751	1625	29.2	-38.3	1642.1	-967.7	92.7	155.5	-51.7
29TH	379.50	110.3	-63.1	3751	1625	29.4	-38.9	1532.7	-905.5	80.6	134.9	-48.4
30TH	392.50	111.3	-64.1	3751	1625	29.7	-39.4	1422.3	-842.3	69.2	115.7	-45.0
31ST	405.50	112.3	-65.0	3751	1625	29.9	-40.0	1311.0	-778.3	58 7	97.9	-41.6
32ND	418.50	113.4	-66.0	3751	1625	30.2	-40.6	1198.7	-713.2	49.0	81.6	-38.1
33RD	431.50	114.5	-66.9	3751	1625	30.5	-41.2	1085.3	-647 3	40 1	66.7	-34.6
34TH	444 50	115.6	-67.9	3751	1625	30.8	-41.8	970.8	-580 3	32.2	53.4	-31.0
35TH	457.50	116.7	-68.9	3751	1625	31.1	-42.4	855.1	-512.4	25.1	41.5	-27.4
36TH	470.50	117.8	-69.8	3751	1625	31.4	-43 0	738.4	-443 5	18 8	31 1	-23.8
37TH	483.50	118.9	-70.8	3751	1625	31.7	-43.6	620.6	-373.7	13.5	22.3	-20.1
38TH	496.50	119.9	-71.6	3751	1625	32.0	-44.0	501.6	-302.9	9.1	15.0	-16.4
39TH	509.50	110.8	-66.2	3751	1625	29.5	-40.7	381.8	-231.3	5.7	9.3	-12.6
40TH	522.50	115.1	-69.4	4328	1875	26 6	-37.0	271.0	-165.1	3.1	5.0	-9.1
41ST	537.50	107.8	-65.9	4616	2000	27 4	-33.0	155.9	-95.7	1 1	1 8	-5.4
ROOF	553 50	48.1	-29 8	2308	1000	20 8	-29.8	48 1	-29.8	1	2	-1.7

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 200 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
1ST	0.00	65.0	-45.4	3589	1563	18.1	-29.1	3665.3	-2489.3	734.3	1039.0	-142.5
DUMY	12.50	38.8	-29.0	1457	1110	26.6	-26.2	3600.4	-2443.9	703.5	993.6	-140.0
2ND	18.50	116.7	-80.9	4372	3330	26.7	-24.3	3561.6	-2414.9	688.9	972.1	-139.7
3RD	36.50	75.6	-54.2	2793	2128	27.1	-25.5	3444.9	-2334.0	646.2	909.1	-138.5
DUMY	48.00	25.4	-13.4	1154	500	22.0	-26.9	3369.3	-2279.8	619.6	869.9	-138.0
4TH	52.00	101.6	-52.7	4472	1938	22.7	-27.2	3343.9	-2266.3	610.6	856.5	-137.2
5TH	67.50	84.4	-45.0	3751	1625	22.5	-27.7	3242.4	-2213.6	575.8	805.4	-134.4
6TH	80.50	83.6	-45.7	3751	1625	22.3	-28.1	3158.0	-2168.7	547.4	763.8	-131.9
7TH	93.50	82.9	-46.4	3751	1625	22.1	-28.5	3074.4	-2123.0	519.5	723.3	-129.5
8TH	106.50	82.7	-47.4	3751	1625	22.0	-29.2	2991.5	-2076.6	492.2	683.9	-127.1
9TH	119.50	82.9	-48.3	3751	1625	22.1	-29.7	2908.9	-2029.3	465.5	645.5	-124.6
10TH	132.50	83.2	-49.3	3751	1625	22.2	-30.3	2825.9	-1980.9	439.4	608.2	-121.9
11TH	145.50	83.4	-50.2	3751	1625	22.2	-30.9	2742.7	-1931.6	414.0	572.0	-119.2
12TH	158.50	83.7	-51.2	3751	1625	22.3	-31.5	2659.3	-1881.4	389.2	536.9	-116.4
13TH	171.50	83.9	-52.1	3751	1625	22.4	-32.1	2575.6	-1830.2	365.1	502.9	-113.4
14TH	184.50	84.2	-53.1	3751	1625	22.5	-32.7	2491.7	-1778.1	341.6	470.0	-110.4
15TH	197.50	84.4	-54.0	3751	1625	22.5	-33.2	2407.5	-1725.0	318.8	438.1	-107.3
16TH	210.50	84.4	-54.8	3751	1625	22.5	-33.7	2323.0	-1671.0	296.8	407.4	-104.0
17TH	223.50	84.3	-55.7	3751	1625	22.5	-34.2	2238.7	-1616.1	275.4	377.7	-100.7
18TH	236.50	84.3	-56.5	3751	1625	22.5	-34.7	2154.4	-1560.5	254.7	349.2	-97.3
19TH	249.50	84.2	-57.3	3751	1625	22.5	-35.3	2070.1	-1504.0	234.8	321.7	-93.8
20TH	262.50	84.2	-58.1	3751	1625	22.5	-35.8	1985.8	-1446.7	215.6	295.4	-90.2
21ST	275.50	84.2	-58.9	3751	1625	22.4	-36.3	1901.6	-1388.6	197.2	270.1	-86.6
22ND	288.50	84.1	-59.7	3751	1625	22.4	-36.8	1817.5	-1329.7	179.6	245.7	-82.9
23RD	301.50	84.2	-60.6	3751	1625	22.5	-37.3	1733.3	-1270.0	162.7	222.8	-79.1
24TH	314.50	84.8	-61.3	3751	1625	22.6	-37.8	1649.1	-1209.4	146.5	200.8	-75.3
25TH	327.50	85.3	-62.1	3751	1625	22.8	-38.2	1564.3	-1148.1	131.2	180.0	-71.4
26TH	340.50	85.9	-62.9	3751	1625	22.9	-38.7	1479.0	-1085.9	116.7	160.2	-67.5
27TH	353.50	86.5	-63.7	3751	1625	23.1	-39.2	1393.0	-1023.0	103.0	141.5	-63.5
28TH	366.50	87.0	-64.5	3751	1625	23.2	-39.7	1306.6	-959.2	90.1	124.0	-59.5
29TH	379.50	87.6	-65.3	3751	1625	23.3	-40.2	1219.6	-894.7	78.0	107.5	-55.5
30TH	392.50	88.1	-66.1	3751	1625	23.5	-40.7	1132.0	-829.4	66.8	92.3	-51.4
31ST	405.50	88.9	-66.7	3751	1625	23.7	-41.0	1043.9	-763.2	56.5	78.1	-47.3
32ND	418.50	89.9	-67.1	3751	1625	24.0	-41.3	954.9	-696.6	47.0	65.1	-43.2
33RD	431.50	90.9	-67.6	3751	1625	24.2	-41.6	865.0	-629.5	38.4	53.3	-39.1
34TH	444.50	91.8	-68.0	3751	1625	24.5	-41.9	774.2	-561.9	30.6	42.6	-34.9
35TH	457.50	92.8	-68.5	3751	1625	24.7	-42.1	682.3	-493.9	23.8	33.2	-30.8
36TH	470.50	93.8	-68.9	3751	1625	25.0	-42.4	589.5	-425.4	17.8	24.9	-26.7
37TH	483.50	94.7	-69.4	3751	1625	25.3	-42.7	495.7	-356.5	12.7	17.8	-22.5
38TH	496.50	95.6	-69.6	3751	1625	25.5	-42.9	401.0	-287.1	8.5	12.0	-18.4
39TH	509.50	88.4	-63.7	3751	1625	23.6	-39.2	305.4	-217.5	5.3	7.4	-14.2
40TH	522.50	92.0	-65.8	4328	1875	21.3	-35.1	217.0	-153.8	2.8	4.0	-10.3
41ST	537.50	86.4	-61.0	4616	2000	18.7	-30.5	125.0	-88.0	1.0	1.5	-6.1
ROOF	553.50	38.6	-27.0	2308	1000	16.7	-27.0	38.6	-27.0	.1	.2	-1.9

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 210 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	61.4	-40.3	3589	1563	17.1	-25.8	2910.8	-2318.0	691.9	788.4	-162.8
DUMY	12.50	37.1	-25.9	1457	1110	25.5	-23.3	2849.4	-2277.7	663.2	752.4	-159.8
2ND	18.50	113.0	-72.5	4372	3330	25.8	-21.8	2812.3	-2251.7	649.6	735.4	-159.2
3RD	36.50	73.1	-49.0	2793	2128	26.2	-23.1	2699.3	-2179.3	609.7	685.8	-157.1
DUMY	48.00	22.8	-11.7	1154	500	19.8	-23.4	2626.2	-2130.2	584.9	655.2	-155.9
4TH	52.00	90.1	-45.9	4472	1938	20.1	-23.7	2603.4	-2118.5	576.4	644.7	-155.0
5TH	67.50	75.0	-39.2	3751	1625	20.0	-24.1	2513.3	-2072.6	543.9	605.1	-151.4
6TH	80.50	74.6	-39.8	3751	1625	19.9	-24.5	2438.3	-2033.4	517.3	572.9	-148.3
7TH	93.50	74.1	-40.5	3751	1625	19.8	-24.9	2363.7	-1993.6	491.1	541.7	-145.1
8TH	106.50	73.3	-41.6	3751	1625	19.5	-25.6	2289.6	-1953.2	465.4	511.4	-141.9
9TH	119.50	72.4	-42.8	3751	1625	19.3	-26.3	2216.3	-1911.5	440.3	482.2	-138.7
10TH	132.50	71.6	-43.9	3751	1625	19.1	-27.0	2143.9	-1868.8	415.7	453.8	-135.3
11TH	145.50	70.7	-45.1	3751	1625	18.9	-27.8	2072.3	-1824.8	391.7	426.4	-131.9
12TH	158.50	69.9	-46.3	3751	1625	18.6	-28.5	2001.6	-1779.7	368.3	399.9	-128.4
13TH	171.50	69.0	-47.4	3751	1625	18.4	-29.2	1931.8	-1733.5	345.5	374.4	-124.8
14TH	184.50	68.1	-48.6	3751	1625	18.2	-29.9	1862.8	-1686.0	323.2	349.7	-121.1
15TH	197.50	67.2	-49.8	3751	1625	17.9	-30.6	1794.6	-1637.4	301.6	325.9	-117.3
16TH	210.50	66.5	-50.9	3751	1625	17.7	-31.3	1727.4	-1587.7	280.7	303.0	-113.5
17TH	223.50	65.8	-52.1	3751	1625	17.6	-32.0	1660.9	-1536.8	260.4	281.0	-109.6
18TH	236.50	65.2	-53.2	3751	1625	17.4	-32.8	1595.1	-1484.7	240.7	259.8	-105.6
19TH	249.50	64.5	-54.4	3751	1625	17.2	-33.5	1529.9	-1431.5	221.8	239.5	-101.6
20TH	262.50	63.8	-55.5	3751	1625	17.0	-34.2	1465.4	-1377.1	203.5	220.1	-97.6
21ST	275.50	63.1	-56.7	3751	1625	16.8	-34.9	1401.6	-1321.5	186.0	201.4	-93.5
22ND	288.50	62.4	-57.8	3751	1625	16.6	-35.6	1338.5	-1264.9	169.2	183.6	-89.4
23RD	301.50	61.9	-58.8	3751	1625	16.5	-36.2	1276.0	-1207.0	153.1	166.6	-85.2
24TH	314.50	61.9	-59.4	3751	1625	16.5	-36.6	1214.2	-1148.2	137.8	150.4	-80.9
25TH	327.50	61.9	-60.1	3751	1625	16.5	-37.0	1152.3	-1088.8	123.2	135.1	-76.7
26TH	340.50	61.9	-60.7	3751	1625	16.5	-37.3	1090.4	-1028.7	109.5	120.5	-72.4
27TH	353.50	61.9	-61.3	3751	1625	16.5	-37.7	1028.5	-968.1	96.5	106.7	-68.2
28TH	366.50	61.9	-62.0	3751	1625	16.5	-38.1	966.6	-906.7	84.3	93.7	-63.9
29TH	379.50	61.9	-62.6	3751	1625	16.5	-38.5	904.7	-844.8	72.9	81.6	-59.5
30TH	392.50	61.9	-63.2	3751	1625	16.5	-38.9	842.8	-782.2	62.3	70.2	-55.2
31ST	405.50	62.9	-63.7	3751	1625	16.8	-39.2	780.8	-718.9	52.6	59.7	-50.8
32ND	418.50	64.3	-64.1	3751	1625	17.1	-39.5	718.0	-655.2	43.7	49.9	-46.4
33RD	431.50	65.7	-64.6	3751	1625	17.5	-39.7	653.7	-591.1	35.6	41.0	-42.0
34TH	444.50	67.1	-65.0	3751	1625	17.9	-40.0	588.0	-526.5	28.3	32.9	-37.6
35TH	457.50	68.4	-65.4	3751	1625	18.3	-40.2	521.0	-461.5	21.9	25.7	-33.1
36TH	470.50	69.8	-65.8	3751	1625	18.6	-40.5	452.5	-396.2	16.3	19.4	-28.6
37TH	483.50	71.2	-66.2	3751	1625	19.0	-40.7	382.7	-330.4	11.6	14.0	-24.0
38TH	496.50	72.5	-66.4	3751	1625	19.3	-40.8	311.5	-264.2	7.7	9.5	-19.5
39TH	509.50	67.6	-59.8	3751	1625	18.0	-36.8	239.0	-197.9	4.7	5.9	-14.9
40TH	522.50	71.5	-60.4	4328	1875	16.5	-32.2	171.3	-138.1	2.5	3.2	-10.7
41ST	537.50	68.5	-54.4	4616	2000	14.8	-27.2	99.8	-77.6	9	1.2	-6.2
ROOF	553.50	31.3	-23.3	2308	1000	13.6	-23.3	31.3	-23.3	1	.1	-1.9

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 220 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	55.6	-28.0	3589	1563	15.5	-17.9	2514.4	-1888.4	578.6	662.3	-219.0
DUMMY	12.50	32.9	-19.8	1457	1110	22.6	-17.8	2458.8	-1860.4	555.2	631.2	-215.5
2ND	18.50	101.2	-53.7	4372	3330	23.2	-16.1	2425.9	-1840.6	544.1	616.6	-214.5
3RD	36.50	66.3	-35.0	2793	2128	23.7	-16.4	2324.6	-1786.9	511.4	573.8	-211.0
DUMMY	46.00	20.0	-8.6	1154	500	17.4	-17.1	2258.3	-1751.9	491.1	547.4	-208.6
4TH	52.00	78.8	-33.6	4472	1938	17.6	-17.3	2238.3	-1743.4	484.1	538.5	-207.4
5TH	67.50	65.8	-28.5	3751	1625	17.5	-17.6	2159.5	-1709.8	457.3	504.4	-202.7
6TH	80.50	65.5	-29.1	3751	1625	17.5	-17.9	2093.7	-1681.2	435.3	476.7	-198.5
7TH	93.50	65.3	-29.5	3751	1625	17.4	-18.2	2028.2	-1652.1	413.6	449.9	-194.3
8TH	106.50	64.7	-30.8	3751	1625	17.3	-19.0	1962.9	-1622.6	392.3	424.0	-190.0
9TH	119.50	64.2	-32.3	3751	1625	17.1	-19.9	1898.2	-1591.8	371.4	398.9	-185.5
10TH	132.50	63.6	-33.8	3751	1625	17.0	-20.8	1834.0	-1559.5	350.9	374.6	-181.1
11TH	145.50	63.1	-35.2	3751	1625	16.8	-21.7	1770.4	-1525.7	330.9	351.2	-176.5
12TH	158.50	62.5	-36.7	3751	1625	16.7	-22.6	1707.4	-1490.5	311.3	328.6	-171.9
13TH	171.50	62.0	-38.1	3751	1625	16.5	-23.5	1644.9	-1453.8	292.1	306.8	-167.1
14TH	184.50	61.4	-39.6	3751	1625	16.4	-24.4	1582.9	-1415.7	273.5	285.8	-162.4
15TH	197.50	60.8	-41.0	3751	1625	16.2	-25.3	1521.5	-1376.0	255.3	265.6	-157.5
16TH	210.50	60.2	-42.0	3751	1625	16.1	-25.9	1460.8	-1335.0	237.7	246.3	-152.5
17TH	223.50	59.7	-43.0	3751	1625	15.9	-26.5	1400.5	-1293.0	220.6	227.8	-147.5
18TH	236.50	59.2	-44.0	3751	1625	15.8	-27.1	1340.8	-1249.9	204.1	209.8	-142.4
19TH	249.50	58.8	-45.0	3751	1625	15.7	-27.7	1281.6	-1205.9	188.1	192.8	-137.3
20TH	262.50	58.3	-46.0	3751	1625	15.5	-28.3	1222.8	-1160.9	172.8	176.5	-132.1
21ST	275.50	57.8	-47.0	3751	1625	15.4	-28.9	1164.6	-1114.9	158.0	161.0	-126.8
22ND	288.50	57.3	-48.0	3751	1625	15.3	-29.5	1106.8	-1067.9	143.8	146.2	-121.5
23RD	301.50	56.8	-48.8	3751	1625	15.1	-30.1	1049.5	-1019.9	130.2	132.2	-116.1
24TH	314.50	56.2	-49.4	3751	1625	15.0	-30.4	992.7	-971.0	117.3	119.0	-110.6
25TH	327.50	55.5	-50.0	3751	1625	14.8	-30.8	936.5	-921.6	105.0	106.4	-105.0
26TH	340.50	54.9	-50.6	3751	1625	14.6	-31.1	881.0	-871.6	93.3	94.6	-99.3
27TH	353.50	54.3	-51.1	3751	1625	14.5	-31.5	826.0	-821.0	82.3	83.5	-93.5
28TH	366.50	53.6	-51.7	3751	1625	14.3	-31.8	771.8	-769.9	72.0	73.1	-87.6
29TH	379.50	53.0	-52.3	3751	1625	14.1	-32.2	718.1	-718.2	62.3	63.4	-81.6
30TH	392.50	52.4	-52.8	3751	1625	14.0	-32.5	665.1	-665.9	53.3	54.4	-75.5
31ST	405.50	52.2	-53.4	3751	1625	13.9	-32.9	612.8	-613.1	45.0	46.1	-69.3
32ND	418.50	52.6	-54.0	3751	1625	14.0	-33.2	560.6	-559.7	37.4	38.5	-63.0
33RD	431.50	53.1	-54.6	3751	1625	14.2	-33.6	507.9	-505.6	30.4	31.6	-56.8
34TH	444.50	53.5	-55.2	3751	1625	14.3	-34.0	454.9	-451.0	24.2	25.3	-50.6
35TH	457.50	54.0	-55.8	3751	1625	14.4	-34.4	401.4	-395.8	18.7	19.7	-44.4
36TH	470.50	54.4	-56.4	3751	1625	14.5	-34.7	347.4	-340.0	13.9	14.9	-38.2
37TH	483.50	54.8	-57.0	3751	1625	14.6	-35.1	293.0	-283.6	9.9	10.7	-32.0
38TH	496.50	55.1	-57.4	3751	1625	14.7	-35.3	238.2	-226.5	6.6	7.3	-25.9
39TH	509.50	51.4	-51.6	3751	1625	13.7	-31.7	183.0	-169.1	4.0	4.2	-19.8
40TH	522.50	54.6	-51.8	4328	1875	12.6	-27.6	131.7	-117.5	2.1	2.5	-14.1
41ST	537.50	52.8	-46.2	4616	2000	11.4	-23.1	77.1	-65.7	.8	.9	-8.2
ROOF	553.50	24.3	-19.6	2308	1000	10.5	-19.6	24.3	-19.6	.1	.1	-2.5

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 230 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	6.00	42.9	-21.9	3589	1563	11.9	-14.0	1599.8	-1605.6	499.9	398.6	-255.4
DUMY	12.50	26.4	-16.2	1457	1110	18.1	-14.6	1556.9	-1583.7	480.0	378.9	-252.4
2ND	18.50	81.6	-46.0	4372	3330	18.7	-13.8	1530.5	-1567.5	470.6	369.7	-251.5
3RD	36.50	53.0	-28.0	2793	2128	19.0	-13.2	1448.9	-1521.5	442.8	342.8	-248.2
DUMY	48.00	14.4	-7.4	1154	500	12.5	-14.1	1395.9	-1493.5	425.4	326.5	-245.9
4TH	52.00	55.3	-27.4	4472	1938	12.4	-14.1	1381.5	-1486.4	419.5	320.9	-244.8
5TH	67.50	44.8	-23.0	3751	1625	12.0	-14.1	1326.1	-1459.0	396.6	299.9	-240.4
6TH	83.50	43.4	-23.0	3751	1625	11.6	-14.2	1281.3	-1436.0	377.8	283.0	-236.7
7TH	99.50	41.9	-23.0	3751	1625	11.2	-14.2	1237.9	-1413.0	359.3	266.6	-232.9
8TH	106.50	40.9	-24.0	3751	1625	10.9	-14.8	1196.0	-1390.0	341.1	250.8	-229.1
9TH	119.50	39.7	-25.3	3751	1625	10.6	-15.6	1155.2	-1366.0	323.2	235.5	-225.1
10TH	132.50	38.5	-26.6	3751	1625	10.3	-16.3	1115.5	-1340.7	305.6	220.8	-220.8
11TH	145.50	37.3	-27.8	3751	1625	10.0	-17.1	1076.9	-1314.1	288.3	206.5	-216.3
12TH	158.50	36.2	-29.1	3751	1625	9.6	-17.9	1039.6	-1286.3	271.4	192.7	-211.6
13TH	171.50	35.0	-30.3	3751	1625	9.3	-18.7	1003.4	-1257.2	254.9	179.5	-206.6
14TH	184.50	33.8	-31.6	3751	1625	9.0	-19.4	968.4	-1226.9	238.7	166.7	-201.4
15TH	197.50	32.6	-32.9	3751	1625	8.7	-20.2	934.6	-1195.3	223.0	154.3	-195.9
16TH	210.50	33.5	-34.2	3751	1625	8.9	-21.0	902.0	-1162.5	207.8	142.3	-190.2
17TH	223.50	34.6	-35.4	3751	1625	9.2	-21.8	868.4	-1128.3	192.8	130.8	-184.3
18TH	236.50	35.7	-36.7	3751	1625	9.5	-22.6	833.8	-1092.9	178.3	119.8	-178.2
19TH	249.50	36.8	-38.0	3751	1625	9.8	-23.4	798.1	-1056.2	164.4	109.2	-171.8
20TH	262.50	37.9	-39.3	3751	1625	10.1	-24.2	761.3	-1018.2	150.9	99.0	-165.1
21ST	275.50	39.0	-40.6	3751	1625	10.4	-25.0	723.4	-978.9	137.9	89.4	-158.3
22ND	288.50	40.1	-41.8	3751	1625	10.7	-25.7	684.4	-938.3	125.4	80.2	-151.2
23RD	301.50	40.4	-42.9	3751	1625	10.8	-26.4	644.4	-896.5	113.5	71.6	-143.9
24TH	314.50	39.9	-43.6	3751	1625	10.6	-26.8	604.0	-853.6	102.1	63.5	-136.4
25TH	327.50	39.5	-44.3	3751	1625	10.5	-27.3	564.0	-810.0	91.3	55.9	-128.9
26TH	340.50	39.0	-45.0	3751	1625	10.4	-27.7	524.6	-765.7	81.1	48.8	-121.3
27TH	353.50	38.5	-45.7	3751	1625	10.3	-28.1	485.6	-720.7	71.4	42.2	-113.8
28TH	366.50	38.0	-46.4	3751	1625	10.1	-28.5	447.1	-675.0	62.3	36.2	-106.2
29TH	379.50	37.6	-47.1	3751	1625	10.0	-29.0	409.1	-628.6	53.9	30.6	-98.5
30TH	392.50	37.1	-47.8	3751	1625	9.9	-29.4	371.5	-581.5	46.0	25.5	-90.9
31ST	405.50	36.6	-48.1	3751	1625	9.8	-29.6	334.4	-533.8	38.8	21.0	-83.2
32ND	418.50	36.1	-48.3	3751	1625	9.6	-29.7	297.8	-485.6	32.1	16.8	-75.5
33RD	431.50	35.6	-48.4	3751	1625	9.5	-29.8	261.7	-437.4	26.1	13.2	-67.9
34TH	444.50	35.1	-48.6	3751	1625	9.4	-29.9	226.1	-388.9	20.8	10.0	-60.3
35TH	457.50	34.6	-48.8	3751	1625	9.2	-30.0	191.0	-340.3	16.0	7.3	-52.8
36TH	470.50	34.2	-48.9	3751	1625	9.1	-30.1	156.4	-291.5	11.9	5.1	-45.3
37TH	483.50	33.7	-49.1	3751	1625	9.0	-30.2	122.2	-242.6	8.4	3.3	-37.9
38TH	496.50	33.3	-49.1	3751	1625	8.8	-30.2	88.5	-193.5	5.6	1.9	-30.6
39TH	509.50	25.5	-44.1	3751	1625	6.8	-27.1	55.6	-144.4	3.4	.9	-23.3
40TH	522.50	19.8	-44.3	4328	1875	4.6	-23.6	30.1	-100.3	1.8	.4	-16.6
41ST	537.50	9.8	-39.4	4616	2000	2.1	-19.7	10.3	-56.1	.6	.1	-9.6
ROOF	553.50	.5	-16.7	2308	1000	.2	-16.7	.5	-16.7	.1	.0	-3.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 240 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
1ST	0.00	33.4	-21.1	3589	1563	9.3	-13.5	505.1	-1540.1	474.3	50.3	-180.3
DUMY	12.50	21.7	-14.3	1457	1110	14.9	-12.9	471.7	-1519.1	455.2	44.2	-178.1
2ND	18.50	67.6	-43.3	4372	3330	15.5	-13.0	450.0	-1504.7	446.1	41.5	-177.4
3RD	36.50	43.3	-25.2	2793	2128	15.5	-11.8	382.4	-1461.4	419.4	34.0	-175.2
DUMY	48.00	9.8	-6.9	1154	500	8.5	-13.8	339.1	-1436.2	402.8	29.8	-173.4
4TH	52.00	35.9	-26.6	4472	1938	8.0	-13.7	329.3	-1429.3	397.0	28.5	-172.7
5TH	67.50	27.6	-22.2	3751	1625	7.4	-13.7	293.4	-1402.8	375.1	23.7	-169.6
6TH	80.50	25.3	-22.1	3751	1625	6.7	-13.6	265.8	-1380.5	357.0	20.0	-167.0
7TH	93.50	23.0	-22.1	3751	1625	6.1	-13.6	240.5	-1358.4	339.2	16.7	-164.5
8TH	106.50	21.5	-23.2	3751	1625	5.7	-14.2	217.5	-1336.3	321.7	13.7	-162.0
9TH	119.50	20.2	-24.6	3751	1625	5.4	-15.1	196.0	-1313.2	304.5	11.1	-159.3
10TH	132.50	18.8	-26.1	3751	1625	5.0	-16.0	175.8	-1288.6	287.5	8.6	-156.4
11TH	145.50	17.4	-27.5	3751	1625	4.6	-16.9	157.0	-1262.5	271.0	6.5	-153.2
12TH	158.50	16.0	-29.0	3751	1625	4.3	-17.8	139.6	-1235.0	254.7	4.6	-149.8
13TH	171.50	14.7	-30.4	3751	1625	3.9	-18.7	123.6	-1206.0	238.9	2.8	-146.1
14TH	184.50	13.3	-31.9	3751	1625	3.5	-19.6	109.0	-1175.5	223.4	1.3	-142.2
15TH	197.50	11.7	-33.4	3751	1625	3.1	-20.6	95.7	-1143.6	208.3	-.0	-138.1
16TH	210.50	10.9	-34.8	3751	1625	2.9	-21.4	83.9	-1110.2	193.7	-1.2	-133.7
17TH	223.50	10.2	-36.1	3751	1625	2.7	-22.2	73.0	-1075.5	179.5	-2.2	-129.2
18TH	236.50	9.6	-37.4	3751	1625	2.6	-23.0	62.8	-1039.4	165.7	-3.1	-124.6
19TH	249.50	8.9	-38.8	3751	1625	2.4	-23.9	53.2	-1001.9	152.4	-3.8	-119.7
20TH	262.50	8.2	-40.1	3751	1625	2.2	-24.7	44.3	-963.2	139.7	-4.5	-114.8
21ST	275.50	7.6	-41.5	3751	1625	2.0	-25.5	36.1	-923.0	127.4	-5.0	-109.6
22ND	288.50	6.9	-42.8	3751	1625	1.8	-26.3	28.5	-881.6	115.7	-5.4	-104.3
23RD	301.50	6.1	-43.7	3751	1625	1.6	-26.9	21.6	-838.8	104.5	-5.7	-98.9
24TH	314.50	6.0	-43.8	3751	1625	1.6	-27.0	15.4	-795.1	93.9	-6.0	-93.4
25TH	327.50	5.9	-43.9	3751	1625	1.6	-27.0	9.4	-751.3	83.8	-6.1	-87.9
26TH	340.50	5.8	-44.0	3751	1625	1.6	-27.1	3.5	-707.4	74.3	-6.2	-82.5
27TH	353.50	5.7	-44.1	3751	1625	1.5	-27.1	-2.4	-663.4	65.4	-6.2	-77.1
28TH	366.50	5.6	-44.2	3751	1625	1.5	-27.2	-8.1	-619.3	57.1	-6.2	-71.7
29TH	379.50	5.5	-44.3	3751	1625	1.5	-27.2	-13.7	-575.1	49.3	-6.0	-66.4
30TH	392.50	5.4	-44.4	3751	1625	1.5	-27.3	-19.3	-530.8	42.1	-5.8	-61.2
31ST	405.50	5.1	-44.3	3751	1625	1.4	-27.3	-24.7	-486.5	35.5	-5.5	-56.0
32ND	418.50	4.4	-44.2	3751	1625	1.2	-27.2	-29.8	-442.2	29.5	-5.2	-50.8
33RD	431.50	3.7	-44.1	3751	1625	1.0	-27.1	-34.2	-398.0	24.0	-4.7	-45.7
34TH	444.50	2.9	-44.0	3751	1625	.8	-27.1	-37.8	-353.9	19.1	-4.3	-40.6
35TH	457.50	2.2	-43.8	3751	1625	.6	-27.0	-40.7	-309.9	14.8	-3.8	-35.5
36TH	470.50	1.5	-43.7	3751	1625	.4	-26.9	-43.0	-266.1	11.1	-3.2	-30.6
37TH	483.50	.8	-43.6	3751	1625	.2	-26.8	-44.5	-222.4	7.9	-2.6	-25.6
38TH	496.50	.0	-43.4	3751	1625	.0	-26.7	-45.3	-178.8	5.3	-2.1	-20.7
39TH	509.50	-4.4	-39.8	3751	1625	-1.2	-24.5	-45.3	-135.3	3.3	-1.5	-15.8
40TH	522.50	-10.8	-41.0	4328	1875	-2.5	-21.8	-40.9	-95.6	1.8	-.9	-11.4
41ST	537.50	-18.3	-37.9	4616	2000	-4.0	-18.9	-30.1	-54.6	.6	-.4	-6.6
ROOF	553.50	-11.8	-16.7	2308	1000	-5.1	-16.7	-11.8	-16.7	.1	-.0	-2.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 250 CONFIGURATION H REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	20.4	-19.4	3589	1563	5.7	-12.4	-517.7	-1438.5	416.9	-284.9	-48.9
DUMY	12.50	15.4	-14.2	1457	1110	10.6	-12.8	-538.1	-1419.1	399.0	-278.3	-47.4
2ND	18.50	48.3	-44.5	4372	3330	11.1	-13.4	-553.5	-1404.8	390.0	-275.1	-47.2
3RD	26.50	31.2	-25.5	2793	2128	11.2	-12.0	-601.8	-1360.3	365.6	-264.7	-46.7
DUMY	46.00	5.0	-6.9	1154	500	4.3	-13.8	-633.0	-1334.8	350.1	-257.6	-45.5
4TH	52.00	17.3	-27.0	4472	1938	3.9	-13.9	-638.0	-1327.9	344.8	-255.0	-45.3
5TH	67.50	12.6	-23.0	3751	1625	3.4	-14.1	-655.3	-1300.9	324.7	-246.4	-42.6
6TH	80.50	10.9	-23.2	3751	1625	2.9	-14.3	-667.9	-1277.9	307.2	-236.4	-42.0
7TH	93.50	9.2	-23.5	3751	1625	2.5	-14.5	-678.9	-1254.7	291.2	-227.6	-40.6
8TH	106.50	7.7	-25.1	3751	1625	2.1	-15.4	-688.1	-1231.2	275.1	-218.8	-39.1
9TH	119.50	6.1	-27.0	3751	1625	1.6	-16.6	-695.8	-1206.1	259.1	-209.8	-37.5
10TH	132.50	4.5	-29.0	3751	1625	1.2	-17.9	-701.9	-1179.1	243.2	-200.5	-36.0
11TH	145.50	2.8	-31.0	3751	1625	.8	-19.1	-706.4	-1150.0	228.6	-191.0	-34.4
12TH	158.50	1.2	-33.0	3751	1625	.3	-20.3	-709.2	-1119.0	213.8	-182.1	-33.1
13TH	171.50	-.4	-34.9	3751	1625	-.1	-21.5	-710.4	-1086.1	199.5	-173.3	-31.9
14TH	184.50	-2.0	-36.9	3751	1625	-.5	-22.7	-710.1	-1051.1	185.6	-163.9	-29.7
15TH	197.50	-3.8	-38.9	3751	1625	-1.0	-23.9	-708.0	-1014.2	172.2	-154.6	-27.8
16TH	210.50	-6.1	-39.3	3751	1625	-1.6	-24.2	-704.2	-975.4	159.6	-145.5	-25.5
17TH	223.50	-8.3	-39.7	3751	1625	-2.2	-24.4	-698.1	-936.2	146.9	-136.5	-23.3
18TH	236.50	-10.5	-40.1	3751	1625	-2.8	-24.6	-689.8	-896.3	134.9	-128.4	-22.0
19TH	249.50	-12.6	-40.4	3751	1625	-3.4	-24.9	-679.3	-856.3	123.5	-118.7	-20.8
20TH	262.50	-14.8	-40.8	3751	1625	-3.9	-25.1	-666.7	-815.9	112.3	-109.1	-18.6
21ST	275.50	-17.0	-41.1	3751	1625	-4.5	-25.3	-651.9	-775.1	102.3	-101.1	-16.9
22ND	288.50	-19.2	-41.5	3751	1625	-5.1	-25.5	-634.9	-734.0	92.5	-92.6	-14.7
23RD	301.50	-21.3	-41.5	3751	1625	-5.7	-25.5	-615.7	-692.5	83.5	-84.6	-13.1
24TH	314.50	-22.8	-40.7	3751	1625	-6.1	-25.1	-594.5	-651.0	76.6	-76.8	-11.9
25TH	327.50	-24.4	-40.0	3751	1625	-6.5	-24.6	-571.6	-610.3	68.5	-69.9	-10.7
26TH	340.50	-26.0	-39.2	3751	1625	-6.9	-24.1	-547.2	-570.3	61.0	-63.9	-9.7
27TH	353.50	-27.5	-38.5	3751	1625	-7.3	-23.7	-521.3	-531.1	54.1	-58.2	-8.8
28TH	366.50	-29.1	-37.7	3751	1625	-7.8	-23.2	-493.7	-492.1	47.9	-52.6	-8.0
29TH	379.50	-30.7	-37.0	3751	1625	-8.2	-22.8	-464.7	-454.9	42.1	-47.3	-7.2
30TH	392.50	-32.2	-36.2	3751	1625	-8.6	-22.3	-434.0	-418.8	36.7	-42.2	-6.4
31ST	405.50	-33.8	-35.4	3751	1625	-8.8	-22.0	-401.8	-381.9	31.8	-37.3	-5.8
32ND	418.50	-33.4	-35.4	3751	1625	-8.9	-21.8	-368.8	-346.0	27.3	-32.8	-5.2
33RD	431.50	-33.8	-35.0	3751	1625	-9.0	-21.5	-335.4	-310.6	23.2	-28.6	-4.6
34TH	444.50	-34.2	-34.6	3751	1625	-9.1	-21.3	-301.6	-275.7	19.5	-24.7	-4.1
35TH	457.50	-34.7	-34.2	3751	1625	-9.2	-21.1	-267.3	-241.1	16.1	-21.1	-3.6
36TH	470.50	-35.1	-33.8	3751	1625	-9.4	-20.8	-232.7	-206.1	13.0	-17.8	-3.2
37TH	483.50	-35.5	-33.5	3751	1625	-9.5	-20.6	-197.6	-173.0	10.2	-14.7	-2.8
38TH	496.50	-35.8	-33.0	3751	1625	-9.6	-20.3	-162.0	-139.5	7.7	-11.8	-2.4
39TH	509.50	-34.0	-30.6	3751	1625	-9.1	-18.8	-126.2	-106.5	5.4	-9.1	-1.9
40TH	522.50	-37.2	-32.0	4328	1875	-8.6	-17.1	-92.2	-75.9	3.4	-6.6	-1.4
41ST	537.50	-37.7	-30.3	4616	2000	-8.1	-15.1	-54.9	-43.6	1.6	-4.3	-.9
ROOF	553.50	-17.7	-13.6	2308	1000	-7.7	-13.6	-17.7	-13.6	.5	-1.4	-.3

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 260 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
1ST	0.00	-8.3	-11.7	3589	1563	-2.3	-7.5	-1464.7	-1036.3	300.7	-538.6	112.8
DUMY	12.50	1.8	-11.0	1457	1110	1.2	-9.9	-1456.5	-1024.7	287.8	-520.3	113.4
2ND	18.50	8.3	-34.8	4372	3330	1.9	-10.5	-1458.2	-1013.7	281.7	-511.6	113.1
3RD	36.50	6.9	-18.3	2793	2128	2.5	-8.6	-1466.5	-978.8	263.8	-485.3	112.1
DUMY	48.00	-3.5	-4.3	1154	500	-3.0	-8.7	-1473.4	-960.5	252.6	-468.4	111.8
4TH	52.00	-14.3	-17.1	4472	1938	-3.2	-8.8	-1469.9	-956.2	248.8	-462.5	111.9
5TH	67.50	-11.2	-14.7	3751	1625	-3.0	-9.0	-1455.6	-939.1	234.1	-439.8	112.3
6TH	80.50	-10.6	-15.0	3751	1625	-2.8	-9.2	-1444.4	-924.4	222.0	-421.0	112.4
7TH	93.50	-9.9	-15.3	3751	1625	-2.6	-9.4	-1433.8	-909.4	210.1	-402.2	112.5
8TH	106.50	-11.2	-16.5	3751	1625	-3.0	-10.2	-1424.0	-894.1	198.4	-383.7	112.5
9TH	119.50	-13.2	-18.0	3751	1625	-3.5	-11.1	-1412.8	-877.6	186.8	-365.2	112.4
10TH	132.50	-15.3	-19.5	3751	1625	-4.1	-12.0	-1399.6	-859.5	175.6	-346.9	112.2
11TH	145.50	-17.3	-21.0	3751	1625	-4.6	-12.9	-1384.3	-840.0	164.5	-328.9	111.9
12TH	158.50	-19.3	-22.5	3751	1625	-5.2	-13.8	-1367.0	-819.0	153.7	-311.0	111.5
13TH	171.50	-21.4	-24.0	3751	1625	-5.7	-14.7	-1347.7	-796.6	143.2	-293.3	111.0
14TH	184.50	-23.4	-25.4	3751	1625	-6.2	-15.7	-1326.3	-772.6	133.0	-275.9	110.4
15TH	197.50	-25.7	-26.9	3751	1625	-6.9	-16.6	-1302.9	-747.2	123.1	-258.9	109.8
16TH	210.50	-27.7	-28.1	3751	1625	-7.4	-17.3	-1277.1	-720.3	113.6	-242.1	109.0
17TH	223.50	-29.5	-29.3	3751	1625	-7.9	-18.0	-1249.4	-692.2	104.4	-225.7	107.8
18TH	236.50	-31.3	-30.4	3751	1625	-8.4	-18.7	-1219.9	-662.9	95.6	-209.6	106.1
19TH	249.50	-33.1	-31.6	3751	1625	-8.8	-19.4	-1188.5	-632.5	87.2	-194.0	104.1
20TH	262.50	-34.9	-32.8	3751	1625	-9.3	-20.2	-1155.4	-600.9	79.2	-178.7	101.6
21ST	275.50	-36.7	-33.9	3751	1625	-9.8	-20.9	-1120.5	-568.1	71.6	-163.9	98.7
22ND	288.50	-38.5	-35.1	3751	1625	-10.3	-21.6	-1083.7	-534.2	64.4	-149.6	95.4
23RD	301.50	-40.4	-35.5	3751	1625	-10.8	-21.8	-1045.2	-499.1	57.7	-135.8	91.7
24TH	314.50	-43.1	-33.9	3751	1625	-11.5	-20.9	-1004.8	-463.6	51.4	-122.4	87.6
25TH	327.50	-45.9	-32.4	3751	1625	-12.2	-19.9	-961.7	-429.7	45.6	-109.7	83.4
26TH	340.50	-48.6	-30.9	3751	1625	-13.0	-19.0	-915.9	-397.3	40.3	-97.4	79.1
27TH	353.50	-51.4	-29.3	3751	1625	-13.7	-18.0	-867.3	-366.4	35.3	-85.9	74.5
28TH	366.50	-54.1	-27.8	3751	1625	-14.4	-17.1	-815.9	-337.1	30.7	-74.9	69.9
29TH	379.50	-56.9	-26.2	3751	1625	-15.2	-16.2	-761.8	-309.3	26.5	-64.7	65.1
30TH	392.50	-59.6	-24.7	3751	1625	-15.9	-15.2	-705.0	-283.0	22.7	-55.1	60.1
31ST	405.50	-60.3	-23.9	3751	1625	-16.1	-14.7	-645.3	-258.3	19.2	-46.3	55.0
32ND	418.50	-60.0	-23.6	3751	1625	-16.0	-14.5	-585.1	-234.4	15.9	-38.4	49.8
33RD	431.50	-59.7	-23.2	3751	1625	-15.9	-14.3	-525.1	-210.8	13.1	-31.1	44.7
34TH	444.50	-59.5	-22.9	3751	1625	-15.9	-14.1	-465.3	-187.6	10.5	-24.7	39.6
35TH	457.50	-59.2	-22.5	3751	1625	-15.8	-13.9	-405.9	-164.7	8.2	-19.0	34.6
36TH	470.50	-58.9	-22.2	3751	1625	-15.7	-13.7	-346.7	-142.1	6.2	-14.1	29.6
37TH	483.50	-58.6	-21.9	3751	1625	-15.6	-13.5	-287.8	-119.9	4.5	-10.0	24.6
38TH	496.50	-58.1	-21.5	3751	1625	-15.5	-13.2	-229.2	-98.1	3.1	-6.7	19.6
39TH	509.50	-51.9	-20.6	3751	1625	-13.8	-12.7	-171.1	-76.6	1.9	-4.1	14.7
40TH	522.50	-52.3	-22.6	4328	1875	-12.1	-12.0	-119.2	-55.9	1.1	-2.2	10.3
41ST	537.50	-46.9	-22.6	4616	2000	-10.2	-11.3	-66.9	-33.4	.4	-.8	5.8
ROOF	553.50	-20.0	-10.7	2308	1000	-8.7	-10.7	-20.0	-10.7	.0	-.1	1.7

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 270 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
1ST	0.00	-45.7	-2.0	3589	1563	-12.7	-1.3	-2523.7	-233.1	73.6	-811.5	228.0
DUMY	12.50	-15.9	-5.0	1457	1110	-10.9	-4.5	-2478.0	-231.1	70.7	-780.2	226.9
2ND	16.50	-42.3	-14.6	4372	3330	-9.7	-4.4	-2462.0	-226.1	69.4	-765.4	225.9
3RD	36.50	-23.4	-6.1	2793	2128	-8.4	-2.9	-2419.7	-211.5	65.4	-721.5	223.0
DUMY	48.00	-13.0	-.9	1154	500	-11.2	-1.8	-2396.4	-205.3	63.0	-693.8	221.5
4TH	52.00	-48.7	-3.4	4472	1938	-10.9	-1.7	-2383.4	-204.4	62.2	-684.2	221.1
5TH	67.50	-37.3	-2.8	3751	1625	-9.9	-1.7	-2334.7	-201.1	59.1	-647.7	219.6
6TH	80.50	-34.1	-2.7	3751	1625	-9.1	-1.6	-2297.4	-198.3	56.5	-617.6	218.4
7TH	93.50	-30.9	-2.6	3751	1625	-8.2	-1.6	-2263.3	-195.6	53.9	-587.9	217.2
8TH	106.50	-31.9	-2.5	3751	1625	-8.5	-1.6	-2232.4	-193.0	51.4	-558.7	216.0
9TH	119.50	-34.2	-2.4	3751	1625	-9.1	-1.5	-2200.5	-190.5	48.9	-529.9	214.6
10TH	132.50	-36.4	-2.3	3751	1625	-9.7	-1.4	-2166.3	-188.1	46.4	-501.5	212.9
11TH	145.50	-38.6	-2.1	3751	1625	-10.3	-1.3	-2129.9	-185.8	44.0	-473.6	210.9
12TH	158.50	-40.8	-2.0	3751	1625	-10.9	-1.2	-2091.3	-183.7	41.6	-446.1	208.6
13TH	171.50	-43.1	-1.9	3751	1625	-11.5	-1.2	-2050.5	-181.7	39.2	-419.2	206.1
14TH	184.50	-45.3	-1.8	3751	1625	-12.1	-1.1	-2007.4	-179.8	36.9	-392.8	203.3
15TH	197.50	-47.8	-1.6	3751	1625	-12.7	-1.0	-1962.1	-178.0	34.5	-367.0	200.3
16TH	210.50	-51.3	-2.4	3751	1625	-13.7	-1.5	-1914.4	-176.4	32.2	-341.8	196.9
17TH	223.50	-54.8	-3.2	3751	1625	-14.6	-2.0	-1863.0	-174.1	30.0	-317.3	193.0
18TH	236.50	-58.2	-4.0	3751	1625	-15.5	-2.5	-1808.3	-170.9	27.7	-293.4	188.6
19TH	249.50	-61.6	-4.9	3751	1625	-16.4	-3.0	-1750.1	-166.8	25.5	-270.3	183.7
20TH	262.50	-65.1	-5.7	3751	1625	-17.3	-3.5	-1688.5	-161.9	23.4	-247.9	178.3
21ST	275.50	-68.5	-6.6	3751	1625	-18.3	-4.0	-1623.4	-156.2	21.3	-226.4	172.4
22ND	288.50	-71.9	-7.4	3751	1625	-19.2	-4.6	-1554.9	-149.7	19.3	-205.9	166.0
23RD	301.50	-74.2	-8.2	3751	1625	-19.8	-5.0	-1483.0	-142.3	17.4	-186.0	159.1
24TH	314.50	-74.6	-8.1	3751	1625	-19.9	-5.0	-1408.8	-134.1	15.6	-167.2	151.8
25TH	327.50	-75.0	-8.0	3751	1625	-20.0	-5.0	-1334.2	-126.0	13.9	-149.4	144.4
26TH	340.50	-75.5	-8.0	3751	1625	-20.1	-4.9	-1259.2	-118.0	12.4	-132.5	136.7
27TH	353.50	-75.9	-7.9	3751	1625	-20.2	-4.9	-1183.8	-110.0	10.9	-116.6	128.9
28TH	366.50	-76.3	-7.9	3751	1625	-20.4	-4.9	-1107.8	-102.1	9.5	-101.7	120.9
29TH	379.50	-76.8	-7.8	3751	1625	-20.5	-4.8	-1031.5	-94.2	8.2	-87.8	112.8
30TH	392.50	-77.2	-7.8	3751	1625	-20.6	-4.8	-954.7	-86.3	7.0	-74.9	104.5
31ST	405.50	-77.8	-7.6	3751	1625	-20.8	-4.7	-877.5	-78.6	6.0	-63.0	95.9
32ND	418.50	-78.9	-7.3	3751	1625	-21.0	-4.5	-799.7	-71.0	5.0	-52.1	87.4
33RD	431.50	-80.0	-7.0	3751	1625	-21.3	-4.3	-720.8	-63.7	4.1	-42.2	78.7
34TH	444.50	-81.1	-6.7	3751	1625	-21.6	-4.1	-640.8	-56.7	3.3	-33.4	70.1
35TH	457.50	-82.1	-6.4	3751	1625	-21.9	-3.9	-559.7	-49.9	2.6	-25.6	61.4
36TH	470.50	-83.2	-6.1	3751	1625	-22.2	-3.8	-477.6	-43.5	2.0	-18.8	52.8
37TH	483.50	-84.3	-5.8	3751	1625	-22.5	-3.6	-394.4	-37.4	1.5	-13.2	44.0
38TH	496.50	-84.9	-5.6	3751	1625	-22.6	-3.4	-310.1	-31.6	1.1	-8.6	35.3
39TH	509.50	-73.5	-6.0	3751	1625	-19.6	-3.7	-225.2	-26.0	.7	-5.1	26.7
40TH	522.50	-70.6	-7.3	4328	1875	-16.3	-3.9	-151.7	-20.0	.4	-2.7	18.7
41ST	537.50	-58.4	-8.3	4616	2000	-12.7	-4.2	-81.2	-12.7	.2	-.9	10.6
ROOF	553.50	-22.7	-4.4	2308	1000	-9.8	-4.4	-22.7	-4.4	.0	-.1	3.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 280 CONFIGURATION H REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	-66.2	7.0	3589	1563	-18.4	4.5	-3467.4	421.5	-96.3	-1034.3	292.7
DUMY	12.50	-25.5	-1.1	1457	1110	-17.5	-1.0	-3401.2	414.5	-91.1	-991.4	290.1
2ND	18.50	-71.6	-1.4	4372	3330	-16.4	-.4	-3375.7	415.5	-88.6	-971.0	288.4
3RD	36.50	-43.0	2.6	2793	2128	-15.4	1.2	-3304.2	416.9	-81.1	-910.9	283.3
DUMY	48.00	-19.6	2.7	1154	500	-17.0	5.5	-3261.1	414.3	-76.3	-873.2	280.2
4TH	52.00	-75.1	11.7	4472	1938	-16.8	6.1	-3241.5	411.5	-74.7	-860.2	279.3
5TH	67.50	-61.1	11.2	3751	1625	-16.3	6.9	-3166.4	399.8	-68.4	-810.5	275.7
6TH	80.50	-59.4	12.4	3751	1625	-15.8	7.6	-3105.3	388.7	-63.3	-769.7	272.6
7TH	93.50	-57.7	13.6	3751	1625	-15.4	8.3	-3045.9	376.3	-58.3	-729.8	269.3
8TH	106.50	-60.1	14.8	3751	1625	-16.0	9.1	-2988.1	362.7	-53.5	-690.5	265.9
9TH	119.50	-63.6	16.2	3751	1625	-16.9	10.0	-2928.0	347.9	-48.9	-652.1	262.3
10TH	132.50	-67.0	17.5	3751	1625	-17.9	10.8	-2864.5	331.7	-44.5	-614.4	258.2
11TH	145.50	-70.5	18.9	3751	1625	-18.8	11.6	-2797.4	314.1	-40.3	-577.6	253.9
12TH	158.50	-74.0	20.3	3751	1625	-19.7	12.5	-2726.9	295.2	-36.3	-541.7	249.2
13TH	171.50	-77.4	21.6	3751	1625	-20.6	13.3	-2652.9	275.0	-32.6	-506.7	244.2
14TH	184.50	-80.9	23.0	3751	1625	-21.6	14.1	-2575.5	253.4	-29.2	-472.8	238.8
15TH	197.50	-84.2	24.1	3751	1625	-22.5	14.8	-2494.6	230.4	-26.0	-439.8	233.1
16TH	210.50	-85.8	22.3	3751	1625	-22.9	13.7	-2410.4	206.3	-23.2	-407.9	227.0
17TH	223.50	-87.4	20.4	3751	1625	-23.3	12.6	-2324.5	184.0	-20.6	-377.1	220.7
18TH	236.50	-88.9	18.5	3751	1625	-23.7	11.4	-2237.2	163.6	-18.4	-347.5	214.0
19TH	249.50	-90.5	16.6	3751	1625	-24.1	10.2	-2148.2	145.0	-16.4	-319.0	207.1
20TH	262.50	-92.0	14.8	3751	1625	-24.5	9.1	-2057.8	128.4	-14.6	-291.7	199.9
21ST	275.50	-93.6	12.9	3751	1625	-24.9	7.9	-1965.7	113.6	-13.0	-265.5	192.4
22ND	288.50	-95.1	11.0	3751	1625	-25.4	6.8	-1872.2	100.8	-11.6	-240.6	184.5
23RD	301.50	-96.1	9.3	3751	1625	-25.6	5.7	-1777.1	89.8	-10.4	-216.8	176.4
24TH	314.50	-96.0	8.3	3751	1625	-25.6	5.1	-1681.0	80.5	-9.3	-194.4	168.1
25TH	327.50	-96.0	7.3	3751	1625	-25.6	4.5	-1584.9	72.2	-8.3	-173.1	159.6
26TH	340.50	-96.0	6.3	3751	1625	-25.6	3.9	-1488.9	64.9	-7.4	-153.1	151.0
27TH	353.50	-95.9	5.3	3751	1625	-25.6	3.2	-1393.0	58.6	-6.6	-134.4	142.3
28TH	366.50	-95.9	4.2	3751	1625	-25.6	2.6	-1297.1	53.3	-5.9	-116.9	133.4
29TH	379.50	-95.8	3.2	3751	1625	-25.5	2.0	-1201.2	49.1	-5.2	-100.7	124.3
30TH	392.50	-95.8	2.2	3751	1625	-25.5	1.4	-1105.4	45.9	-4.6	-85.7	115.1
31ST	405.50	-95.3	1.9	3751	1625	-25.4	1.2	-1009.6	43.7	-4.0	-72.0	105.8
32ND	418.50	-94.8	2.2	3751	1625	-25.3	1.4	-914.3	41.8	-3.4	-59.4	96.4
33RD	431.50	-94.3	2.5	3751	1625	-25.1	1.6	-819.5	39.6	-2.9	-48.2	87.0
34TH	444.50	-93.8	2.8	3751	1625	-25.0	1.7	-725.2	37.0	-2.4	-38.1	77.6
35TH	457.50	-93.3	3.1	3751	1625	-24.9	1.9	-631.3	34.2	-2.0	-29.3	68.1
36TH	470.50	-92.8	3.5	3751	1625	-24.7	2.1	-538.0	31.1	-1.5	-21.7	58.7
37TH	483.50	-92.3	3.8	3751	1625	-24.6	2.3	-445.2	27.6	-1.2	-15.3	49.1
38TH	496.50	-91.3	4.1	3751	1625	-24.4	2.5	-352.9	23.8	-.8	-10.1	39.6
39TH	509.50	-80.8	4.5	3751	1625	-21.5	2.7	-261.6	19.7	-.5	-6.1	30.1
40TH	522.50	-80.5	5.5	4328	1875	-18.6	3.0	-180.8	15.3	-.3	-3.3	21.3
41ST	537.50	-70.8	6.4	4616	2000	-15.3	3.2	-100.4	9.7	-.1	-1.2	12.3
ROOF	553.50	-29.6	3.4	2308	1000	-12.8	3.4	-29.6	3.4	.0	-.1	3.8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 290 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
1ST	0.00	-82.7	18.3	3589	1563	-23.0	11.7	-4625.5	942.7	-237.2	-1356.9	299.9
DUMY	12.50	-32.1	3.0	1457	1110	-22.0	2.7	-4542.8	924.4	-225.5	-1299.6	296.4
2ND	18.50	-93.7	11.2	4372	3330	-21.4	3.4	-4510.7	921.4	-220.0	-1272.4	294.0
3RD	36.50	-59.5	12.6	2793	2128	-21.3	5.9	-4417.0	910.3	-203.5	-1192.1	286.4
DUMY	48.00	-27.1	7.4	1154	500	-23.5	14.9	-4357.5	897.7	-193.1	-1141.6	281.8
4TH	52.00	-106.5	30.6	4472	1938	-23.8	15.8	-4330.4	890.3	-189.5	-1124.3	280.4
5TH	67.50	-90.3	27.9	3751	1625	-24.1	17.2	-4223.9	859.7	-176.0	-1058.0	274.9
6TH	80.50	-91.2	30.0	3751	1625	-24.3	18.4	-4133.6	831.7	-165.0	-1003.6	270.0
7TH	93.50	-92.2	32.0	3751	1625	-24.6	19.7	-4042.4	801.8	-154.4	-950.5	264.9
8TH	106.50	-94.5	32.2	3751	1625	-25.2	19.8	-3950.2	769.8	-144.2	-898.5	259.5
9TH	119.50	-97.4	32.0	3751	1625	-26.0	19.7	-3855.7	737.5	-134.4	-847.8	254.0
10TH	132.50	-100.2	31.8	3751	1625	-26.7	19.6	-3758.4	705.5	-125.0	-798.3	248.3
11TH	145.50	-103.1	31.6	3751	1625	-27.5	19.5	-3658.1	673.6	-116.0	-750.1	242.5
12TH	158.50	-105.9	31.4	3751	1625	-28.2	19.3	-3555.0	642.0	-107.5	-703.2	236.5
13TH	171.50	-108.8	31.2	3751	1625	-29.0	19.2	-3449.1	610.6	-99.3	-657.7	230.4
14TH	184.50	-111.7	31.0	3751	1625	-29.8	19.1	-3340.3	579.4	-91.6	-613.6	224.1
15TH	197.50	-114.4	30.7	3751	1625	-30.5	18.9	-3228.6	548.4	-84.3	-570.9	217.7
16TH	210.50	-115.4	29.7	3751	1625	-30.8	18.3	-3114.2	517.7	-77.3	-529.6	211.1
17TH	223.50	-116.3	28.8	3751	1625	-31.0	17.7	-2998.8	487.9	-70.8	-489.7	204.5
18TH	236.50	-117.2	27.9	3751	1625	-31.3	17.2	-2882.4	459.1	-64.6	-451.7	197.7
19TH	249.50	-118.2	27.0	3751	1625	-31.5	16.6	-2765.2	431.2	-58.8	-415.0	190.8
20TH	262.50	-119.1	26.1	3751	1625	-31.7	16.1	-2647.0	404.2	-53.4	-379.8	183.7
21ST	275.50	-120.0	25.2	3751	1625	-32.0	15.5	-2528.0	378.0	-48.3	-346.1	176.5
22ND	288.50	-120.9	24.3	3751	1625	-32.2	15.0	-2408.0	352.8	-43.6	-314.1	168.8
23RD	301.50	-121.4	23.3	3751	1625	-32.4	14.4	-2287.1	328.5	-39.2	-283.5	160.8
24TH	314.50	-121.3	22.1	3751	1625	-32.3	13.6	-2165.6	305.2	-35.0	-254.6	153.1
25TH	327.50	-121.2	20.9	3751	1625	-32.3	12.9	-2044.3	283.1	-31.2	-227.2	145.2
26TH	340.50	-121.1	19.7	3751	1625	-32.3	12.1	-1923.1	262.2	-27.7	-201.4	137.2
27TH	353.50	-120.9	18.5	3751	1625	-32.2	11.4	-1802.1	242.5	-24.4	-177.2	129.2
28TH	366.50	-120.8	17.2	3751	1625	-32.2	10.6	-1681.2	224.0	-21.4	-154.6	121.0
29TH	379.50	-120.7	16.0	3751	1625	-32.2	9.9	-1560.4	206.8	-18.6	-133.5	112.7
30TH	392.50	-120.5	14.8	3751	1625	-32.1	9.1	-1439.7	190.7	-16.0	-114.0	104.4
31ST	405.50	-120.2	14.4	3751	1625	-32.1	8.9	-1319.2	175.9	-13.6	-96.1	96.0
32ND	418.50	-120.0	14.6	3751	1625	-32.0	9.0	-1199.0	161.5	-11.4	-79.7	87.5
33RD	431.50	-119.8	14.7	3751	1625	-32.0	9.1	-1078.9	146.9	-9.4	-64.9	79.0
34TH	444.50	-119.7	14.9	3751	1625	-31.9	9.1	-959.1	132.2	-7.6	-51.7	70.6
35TH	457.50	-119.5	15.0	3751	1625	-31.9	9.2	-839.4	117.4	-6.0	-40.0	62.1
36TH	470.50	-119.3	15.2	3751	1625	-31.8	9.3	-720.0	102.4	-4.5	-29.8	53.6
37TH	483.50	-119.1	15.3	3751	1625	-31.8	9.4	-600.7	87.2	-3.3	-21.3	45.2
38TH	496.50	-118.5	15.5	3751	1625	-31.6	9.5	-481.6	71.9	-2.3	-14.2	36.7
39TH	509.50	-107.4	15.1	3751	1625	-28.6	9.3	-363.1	56.4	-1.4	-8.7	28.3
40TH	522.50	-110.1	16.6	4328	1875	-25.5	8.8	-255.7	41.3	-.8	-4.7	20.4
41ST	537.50	-101.2	16.7	4616	2000	-21.9	8.4	-145.6	24.8	-.3	-1.7	12.0
ROOF	553.50	-44.3	8.0	2308	1000	-19.2	8.0	-44.3	8.0	-.0	-.2	3.8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 300 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
1ST	0.00	-109.1	22.1	3589	1563	-30.4	14.1	-5326.0	864.2	-215.9	-1537.0	239.7
DUMY	12.50	-42.7	2.9	1457	1110	-29.3	2.6	-5216.9	842.1	-205.2	-1471.1	236.2
2ND	18.50	-125.9	12.0	4372	3330	-28.8	3.6	-5174.2	839.3	-200.2	-1440.0	233.6
3RD	36.50	-79.8	12.9	2793	2128	-28.6	6.1	-5048.3	827.2	-185.2	-1348.0	225.8
DUMY	48.00	-35.5	8.1	1154	500	-30.8	16.2	-4968.4	814.3	-175.7	-1290.4	221.1
4TH	52.00	-138.4	32.1	4472	1938	-30.9	16.5	-4932.9	806.2	-172.5	-1270.6	219.8
5TH	67.50	-115.9	27.7	3751	1625	-30.9	17.0	-4794.6	774.1	-160.3	-1195.2	214.8
6TH	80.50	-115.8	28.4	3751	1625	-30.9	17.5	-4678.7	746.5	-150.4	-1133.6	210.3
7TH	93.50	-115.7	29.2	3751	1625	-30.8	18.0	-4562.9	718.0	-140.9	-1073.5	205.8
8TH	106.50	-116.8	29.0	3751	1625	-31.1	17.8	-4447.2	688.8	-131.7	-1015.0	201.0
9TH	119.50	-118.3	28.7	3751	1625	-31.6	17.7	-4330.4	659.9	-122.9	-957.9	196.2
10TH	132.50	-119.9	28.4	3751	1625	-32.0	17.5	-4212.1	631.1	-114.5	-902.4	191.2
11TH	145.50	-121.5	28.2	3751	1625	-32.4	17.3	-4092.2	602.7	-106.5	-848.4	186.1
12TH	158.50	-123.0	27.9	3751	1625	-32.8	17.2	-3970.7	574.6	-98.9	-796.0	181.0
13TH	171.50	-124.6	27.6	3751	1625	-33.2	17.0	-3847.7	546.7	-91.6	-745.2	175.7
14TH	184.50	-126.2	27.3	3751	1625	-33.6	16.8	-3723.1	519.1	-84.7	-696.0	170.3
15TH	197.50	-127.6	27.0	3751	1625	-34.0	16.6	-3596.9	491.8	-78.1	-648.4	164.8
16TH	210.50	-127.4	25.9	3751	1625	-34.0	15.9	-3469.3	464.8	-71.9	-602.5	159.2
17TH	223.50	-127.2	24.8	3751	1625	-33.9	15.2	-3341.9	438.9	-66.0	-558.2	153.6
18TH	236.50	-127.1	23.7	3751	1625	-33.9	14.6	-3214.7	414.2	-60.5	-515.6	148.0
19TH	249.50	-126.9	22.6	3751	1625	-33.8	13.9	-3087.6	390.5	-55.2	-474.6	142.3
20TH	262.50	-126.7	21.5	3751	1625	-33.8	13.2	-2960.8	367.9	-50.3	-435.3	136.6
21ST	275.50	-126.5	20.4	3751	1625	-33.7	12.5	-2834.1	346.5	-45.7	-397.6	130.8
22ND	288.50	-126.3	19.2	3751	1625	-33.7	11.8	-2707.6	326.1	-41.3	-361.6	125.0
23RD	301.50	-126.6	18.3	3751	1625	-33.8	11.3	-2581.2	306.9	-37.2	-327.2	119.2
24TH	314.50	-128.0	18.0	3751	1625	-34.1	11.1	-2454.6	288.5	-33.3	-294.5	113.4
25TH	327.50	-129.3	17.6	3751	1625	-34.5	10.8	-2326.6	270.5	-29.7	-263.4	107.5
26TH	340.50	-130.7	17.2	3751	1625	-34.8	10.6	-2197.3	252.9	-26.3	-234.0	101.5
27TH	353.50	-132.0	16.9	3751	1625	-35.2	10.4	-2066.6	235.7	-23.1	-206.3	95.6
28TH	366.50	-133.4	16.5	3751	1625	-35.6	10.2	-1934.5	218.8	-20.1	-180.3	89.6
29TH	379.50	-134.7	16.1	3751	1625	-35.9	9.9	-1801.1	202.3	-17.4	-156.0	83.5
30TH	392.50	-136.1	15.8	3751	1625	-36.3	9.7	-1666.4	186.2	-14.9	-133.5	77.4
31ST	405.50	-136.6	15.6	3751	1625	-36.4	9.6	-1530.3	170.4	-12.5	-112.7	71.3
32ND	418.50	-136.8	15.5	3751	1625	-36.5	9.5	-1393.7	154.9	-10.4	-93.7	65.2
33RD	431.50	-136.9	15.4	3751	1625	-36.5	9.4	-1257.0	139.4	-8.5	-76.5	59.1
34TH	444.50	-137.1	15.2	3751	1625	-36.6	9.4	-1120.1	124.1	-6.8	-61.0	52.9
35TH	457.50	-137.3	15.1	3751	1625	-36.6	9.3	-983.0	108.8	-5.3	-47.3	46.8
36TH	470.50	-137.4	15.0	3751	1625	-36.6	9.2	-845.7	93.7	-4.0	-35.5	40.6
37TH	483.50	-137.6	14.9	3751	1625	-36.7	9.2	-708.3	78.7	-2.9	-25.4	34.4
38TH	496.50	-137.4	14.8	3751	1625	-36.6	9.1	-570.7	63.8	-1.9	-17.0	28.3
39TH	509.50	-125.9	13.9	3751	1625	-33.6	8.6	-433.4	48.9	-1.2	-10.5	22.1
40TH	522.50	-130.7	14.7	4328	1875	-30.2	7.8	-307.5	35.0	-.7	-5.7	16.2
41ST	537.50	-122.3	14.0	4616	2000	-26.5	7.0	-176.7	20.3	-.2	-2.1	9.7
ROOF	553.50	-54.5	6.3	2308	1000	-23.6	6.3	-54.5	6.3	-.0	-.2	3.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS — YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 310 — CONFIGURATION H — REFERENCE PRESSURE 42.0 PSF — GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAF KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
1ST	0.00	-119.3	26.5	3589	1563	-33.3	17.0	-5864.2	1018.9	-273.6	-1715.7	199.0
DUMY	12.50	-47.4	3.7	1457	1110	-32.5	3.3	-5744.8	992.4	-261.1	-1643.2	195.6
2ND	18.50	-140.7	16.0	4372	3330	-32.2	4.8	-5697.5	988.7	-255.1	-1608.8	192.9
3RD	36.50	-88.7	15.0	2793	2128	-31.8	7.0	-5556.8	972.7	-237.5	-1507.6	185.3
DUMY	48.00	-38.5	8.6	1154	500	-33.3	17.2	-5468.1	957.7	-226.4	-1444.2	180.8
4TH	52.00	-148.7	33.3	4472	1938	-33.2	17.2	-5429.6	949.1	-222.5	-1422.4	179.6
5TH	67.50	-123.3	27.8	3751	1625	-32.9	17.1	-5280.9	915.8	-208.1	-1339.4	175.1
6TH	80.50	-122.0	27.7	3751	1625	-32.5	17.0	-5157.6	888.0	-196.4	-1271.5	171.2
7TH	93.50	-120.8	27.5	3751	1625	-32.2	16.9	-5035.6	860.4	-185.0	-1205.3	167.3
8TH	106.50	-121.9	27.5	3751	1625	-32.5	16.9	-4914.8	832.8	-174.0	-1140.6	163.3
9TH	119.50	-123.8	27.7	3751	1625	-33.0	17.1	-4792.9	805.4	-163.3	-1077.5	159.3
10TH	132.50	-125.8	28.0	3751	1625	-33.5	17.2	-4669.1	777.7	-153.1	-1016.0	155.2
11TH	145.50	-127.7	28.2	3751	1625	-34.0	17.4	-4543.3	749.7	-143.1	-956.1	151.1
12TH	158.50	-129.6	28.5	3751	1625	-34.5	17.5	-4415.6	721.5	-133.6	-897.9	146.9
13TH	171.50	-131.5	28.7	3751	1625	-35.1	17.7	-4286.1	693.0	-124.4	-841.3	142.6
14TH	184.50	-133.4	29.0	3751	1625	-35.6	17.8	-4154.6	664.3	-115.6	-786.4	138.3
15TH	197.50	-135.2	29.2	3751	1625	-36.0	17.9	-4021.2	635.3	-107.1	-733.3	133.9
16TH	210.50	-135.9	28.3	3751	1625	-36.2	17.4	-3886.0	606.1	-99.0	-681.9	129.4
17TH	223.50	-136.6	27.5	3751	1625	-36.4	16.9	-3750.1	577.8	-91.3	-632.3	124.9
18TH	236.50	-137.3	26.6	3751	1625	-36.6	16.4	-3613.5	550.3	-84.0	-584.4	120.4
19TH	249.50	-138.0	25.8	3751	1625	-36.8	15.8	-3476.2	523.7	-77.0	-538.3	115.9
20TH	262.50	-138.7	24.9	3751	1625	-37.0	15.3	-3338.2	497.9	-70.4	-494.0	111.3
21ST	275.50	-139.4	24.0	3751	1625	-37.2	14.8	-3199.5	473.1	-64.1	-451.5	106.7
22ND	288.50	-140.1	23.2	3751	1625	-37.4	14.3	-3060.1	449.0	-58.1	-410.8	102.0
23RD	301.50	-141.1	22.6	3751	1625	-37.6	13.9	-2920.0	425.9	-52.4	-372.0	97.3
24TH	314.50	-142.7	22.7	3751	1625	-38.1	13.9	-2778.9	403.2	-47.0	-334.9	92.6
25TH	327.50	-144.3	22.7	3751	1625	-38.5	14.0	-2636.2	380.6	-41.9	-299.7	87.8
26TH	340.50	-146.0	22.7	3751	1625	-38.9	14.0	-2491.9	357.9	-37.1	-266.4	83.1
27TH	353.50	-147.6	22.8	3751	1625	-39.4	14.0	-2345.9	335.1	-32.6	-235.0	78.3
28TH	366.50	-149.3	22.8	3751	1625	-39.8	14.0	-2198.2	312.4	-28.4	-205.4	73.4
29TH	379.50	-150.9	22.8	3751	1625	-40.2	14.0	-2049.0	289.6	-24.5	-177.8	68.6
30TH	392.50	-152.5	22.9	3751	1625	-40.7	14.1	-1898.1	266.8	-20.9	-152.2	63.7
31ST	405.50	-153.7	22.8	3751	1625	-41.0	14.0	-1745.5	243.9	-17.6	-128.5	58.7
32ND	418.50	-154.7	22.7	3751	1625	-41.2	13.9	-1591.8	221.1	-14.5	-106.8	53.8
33RD	431.50	-155.6	22.5	3751	1625	-41.5	13.9	-1437.1	198.4	-11.8	-87.1	48.8
34TH	444.50	-156.6	22.4	3751	1625	-41.8	13.8	-1281.5	175.9	-9.4	-69.4	43.7
35TH	457.50	-157.6	22.3	3751	1625	-42.0	13.7	-1124.9	153.5	-7.2	-53.8	38.7
36TH	470.50	-158.5	22.1	3751	1625	-42.3	13.6	-967.4	131.2	-5.4	-40.2	33.5
37TH	483.50	-159.5	22.0	3751	1625	-42.5	13.5	-808.9	109.1	-3.8	-28.6	28.3
38TH	496.50	-159.9	21.9	3751	1625	-42.6	13.4	-649.4	87.2	-2.5	-19.2	23.1
39TH	509.50	-145.1	19.9	3751	1625	-38.7	12.2	-489.5	65.3	-1.5	-11.8	17.9
40TH	522.50	-148.6	20.0	4328	1875	-34.3	10.7	-344.4	45.5	-.8	-6.3	13.0
41ST	537.50	-136.3	17.9	4616	2000	-29.5	8.9	-195.8	25.5	-.3	-2.3	7.7
ROOF	553.50	-59.5	7.6	2308	1000	-25.8	7.6	-59.5	7.6	-.0	-.2	2.4

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 320 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
1ST	0.00	-129.7	32.6	3589	1563	-36.1	20.8	-6184.2	1289.3	-355.1	-1809.9	132.8
DUMY	12.50	-51.1	7.0	1457	1110	-35.1	6.3	-6054.6	1256.8	-339.2	-1733.4	130.3
2ND	18.50	-151.7	29.6	4372	3330	-34.7	8.9	-6003.5	1249.7	-331.7	-1697.3	128.1
3RD	36.50	-95.5	23.4	2793	2128	-34.2	11.0	-5851.7	1220.1	-309.4	-1590.6	122.4
DUMY	49.00	-41.0	10.2	1154	500	-35.6	20.4	-5756.2	1196.7	-295.5	-1523.8	119.3
4TH	52.00	-158.0	39.4	4472	1938	-35.3	20.3	-5715.2	1186.5	-290.8	-1500.9	118.5
5TH	67.50	-130.8	32.9	3751	1625	-34.9	20.2	-5557.1	1147.1	-272.7	-1413.5	115.3
6TH	80.50	-129.2	32.8	3751	1625	-34.4	20.2	-5426.3	1114.2	-258.0	-1342.1	112.7
7TH	93.50	-127.6	32.6	3751	1625	-34.0	20.1	-5297.1	1081.4	-243.7	-1272.4	110.1
8TH	106.50	-128.2	32.4	3751	1625	-34.2	19.9	-5169.5	1048.8	-229.9	-1204.4	107.6
9TH	119.50	-129.5	32.4	3751	1625	-34.5	19.9	-5041.3	1016.4	-216.4	-1138.0	105.0
10TH	132.50	-130.8	32.4	3751	1625	-34.9	19.9	-4911.8	984.1	-203.4	-1073.3	102.4
11TH	145.50	-132.1	32.3	3751	1625	-35.2	19.9	-4781.0	951.7	-190.9	-1010.3	99.8
12TH	158.50	-133.4	32.3	3751	1625	-35.6	19.9	-4648.8	919.4	-178.7	-949.0	97.1
13TH	171.50	-134.7	32.3	3751	1625	-35.9	19.9	-4515.4	887.0	-167.0	-889.5	94.4
14TH	184.50	-136.0	32.3	3751	1625	-36.3	19.9	-4380.7	854.7	-155.6	-831.6	91.6
15TH	197.50	-137.3	32.3	3751	1625	-36.6	19.9	-4244.7	822.4	-144.7	-775.6	88.8
16TH	210.50	-139.0	31.8	3751	1625	-37.1	19.6	-4107.4	790.[illegible]	-134.3	-721.3	86.0
17TH	223.50	-140.7	31.2	3751	1625	-37.5	19.2	-3968.4	758.3	-124.2	-668.8	83.1
18TH	236.50	-142.4	30.7	3751	1625	-38.0	18.9	-3827.6	727.1	-114.5	-618.1	80.2
19TH	249.50	-144.1	30.1	3751	1625	-38.4	18.5	-3685.3	696.4	-105.3	-569.3	77.2
20TH	262.50	-145.8	29.6	3751	1625	-38.9	18.2	-3541.2	666.3	-96.4	-522.3	74.2
21ST	275.50	-147.4	29.0	3751	1625	-39.3	17.8	-3395.4	636.8	-88.0	-477.2	71.1
22ND	288.50	-149.1	28.4	3751	1625	-39.8	17.5	-3248.0	607.8	-79.9	-434.0	68.0
23RD	301.50	-150.8	28.2	3751	1625	-40.2	17.4	-3098.8	579.3	-72.1	-392.8	64.9
24TH	314.50	-152.6	28.8	3751	1625	-40.7	17.7	-2948.0	551.1	-64.8	-353.5	61.6
25TH	327.50	-154.5	29.3	3751	1625	-41.2	18.0	-2795.4	522.3	-57.8	-316.2	58.4
26TH	340.50	-156.4	29.9	3751	1625	-41.7	18.4	-2640.9	493.0	-51.2	-280.8	55.2
27TH	353.50	-158.2	30.4	3751	1625	-42.2	18.7	-2484.5	463.1	-45.0	-247.5	52.0
28TH	366.50	-160.1	31.0	3751	1625	-42.7	19.0	-2326.3	432.7	-39.2	-216.2	48.7
29TH	379.50	-161.9	31.5	3751	1625	-43.2	19.4	-2166.3	401.8	-33.8	-187.0	45.4
30TH	392.50	-163.8	32.0	3751	1625	-43.7	19.7	-2004.3	370.3	-28.7	-159.9	42.1
31ST	405.50	-164.6	32.1	3751	1625	-43.9	19.8	-1840.5	338.2	-24.1	-134.9	38.8
32ND	418.50	-165.0	31.8	3751	1625	-44.0	19.6	-1675.9	306.1	-20.0	-112.1	35.5
33RD	431.50	-165.4	31.6	3751	1625	-44.1	19.4	-1510.9	274.3	-16.2	-91.4	32.2
34TH	444.50	-165.8	31.3	3751	1625	-44.2	19.3	-1345.5	242.7	-12.8	-72.8	28.9
35TH	457.50	-166.2	31.1	3751	1625	-44.3	19.1	-1179.8	211.4	-9.9	-56.4	25.5
36TH	470.50	-166.5	30.8	3751	1625	-44.4	19.0	-1013.6	180.3	-7.3	-42.1	22.2
37TH	483.50	-166.9	30.5	3751	1625	-44.5	18.8	-847.1	149.5	-5.2	-30.0	18.8
38TH	496.50	-166.9	30.3	3751	1625	-44.5	18.6	-680.2	119.0	-3.4	-20.1	15.4
39TH	509.50	-151.8	27.3	3751	1625	-40.5	16.8	-513.3	88.7	-2.1	-12.3	12.1
40TH	522.50	-155.7	27.3	4328	1875	-36.0	14.5	-361.5	61.3	-1.1	-6.7	8.9
41ST	537.50	-143.1	24.0	4616	2000	-31.0	12.0	-205.8	34.1	-.4	-2.4	5.3
ROOF	553.50	-62.7	10.1	2308	1000	-27.2	10.1	-62.7	10.1	-.0	-.3	1.7

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 330 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
1ST	0.00	-131.2	34.9	3589	1563	-36.6	22.3	-6361.6	1515.5	-428.1	-1851.5	80.3
DUMY	12.50	-52.7	9.5	1457	1110	-36.1	8.5	-6230.4	1480.6	-409.4	-1772.8	78.1
2ND	18.50	-154.7	36.2	4372	3330	-35.4	10.9	-6177.8	1471.1	-400.5	-1735.6	76.2
3RD	36.50	-97.4	25.8	2793	2128	-34.9	12.1	-6023.1	1434.9	-374.4	-1625.7	71.2
DUMY	48.00	-41.4	11.0	1154	500	-35.9	22.0	-5925.7	1409.1	-358.0	-1557.0	69.2
4TH	52.00	-160.5	42.2	4472	1938	-35.9	21.8	-5884.3	1398.2	-352.4	-1533.4	68.6
5TH	67.50	-133.8	35.0	3751	1625	-35.7	21.5	-5723.8	1355.9	-331.1	-1443.9	66.4
6TH	80.50	-133.2	34.6	3751	1625	-35.5	21.3	-5590.0	1320.3	-313.7	-1369.9	64.6
7TH	93.50	-132.5	34.3	3751	1625	-35.3	21.1	-5456.8	1286.3	-296.8	-1298.1	62.8
8TH	106.50	-134.0	34.3	3751	1625	-35.7	21.1	-5324.3	1252.7	-280.2	-1228.7	61.1
9TH	119.50	-136.2	34.8	3751	1625	-36.3	21.4	-5190.1	1217.9	-264.2	-1159.1	59.4
10TH	132.50	-138.4	35.2	3751	1625	-36.9	21.7	-5054.1	1182.9	-248.6	-1093.1	57.7
11TH	145.50	-140.5	35.6	3751	1625	-37.5	21.9	-4915.7	1147.1	-233.4	-1028.3	56.1
12TH	158.50	-142.7	36.0	3751	1625	-38.0	22.1	-4775.2	1112.1	-218.7	-965.2	54.4
13TH	171.50	-144.9	36.5	3751	1625	-38.6	22.4	-4632.5	1076.1	-204.5	-904.2	52.8
14TH	184.50	-147.0	36.9	3751	1625	-39.2	22.7	-4487.7	1039.6	-190.7	-844.9	51.3
15TH	197.50	-149.1	37.3	3751	1625	-39.8	23.0	-4340.7	1002.7	-177.5	-787.5	49.7
16TH	210.50	-149.6	37.1	3751	1625	-39.9	22.8	-4191.6	965.4	-164.7	-732.0	48.2
17TH	223.50	-150.0	36.8	3751	1625	-40.0	22.7	-4042.0	928.1	-152.4	-678.8	46.6
18TH	236.50	-150.4	36.5	3751	1625	-40.1	22.5	-3892.0	891.5	-140.5	-626.9	45.0
19TH	249.50	-150.8	36.3	3751	1625	-40.2	22.3	-3741.6	855.0	-129.0	-577.3	43.4
20TH	262.50	-151.2	36.0	3751	1625	-40.3	22.2	-3590.8	818.7	-118.0	-529.0	41.8
21ST	275.50	-151.6	35.8	3751	1625	-40.4	22.0	-3439.6	782.7	-107.3	-484.0	40.1
22ND	288.50	-152.0	35.5	3751	1625	-40.5	21.8	-3288.1	746.9	-98.0	-440.2	38.7
23RD	301.50	-152.8	35.5	3751	1625	-40.7	21.8	-3136.1	711.4	-88.5	-398.7	36.4
24TH	314.50	-154.5	35.9	3751	1625	-41.2	22.1	-2983.7	675.9	-79.9	-358.7	35.0
25TH	327.50	-156.2	36.4	3751	1625	-41.6	22.4	-2828.7	640.6	-70.8	-320.9	33.3
26TH	340.50	-157.9	36.9	3751	1625	-42.1	22.7	-2672.2	605.6	-62.2	-285.2	31.8
27TH	353.50	-159.5	37.3	3751	1625	-42.5	23.0	-2514.2	566.7	-55.2	-251.5	29.8
28TH	366.50	-161.2	37.8	3751	1625	-43.0	23.3	-2355.6	529.4	-48.1	-219.8	28.0
29TH	379.50	-162.9	38.3	3751	1625	-43.4	23.6	-2194.2	491.6	-41.5	-190.2	26.0
30TH	392.50	-164.6	38.8	3751	1625	-43.9	23.8	-2031.1	453.3	-35.7	-162.8	24.4
31ST	405.50	-165.5	38.9	3751	1625	-44.1	23.9	-1866.6	414.5	-29.9	-137.4	22.6
32ND	418.50	-166.1	38.7	3751	1625	-44.3	23.8	-1701.1	375.7	-24.5	-114.2	20.8
33RD	431.50	-166.7	38.5	3751	1625	-44.4	23.7	-1535.0	337.0	-19.8	-93.2	18.9
34TH	444.50	-167.3	38.3	3751	1625	-44.6	23.6	-1368.3	298.5	-15.6	-74.3	17.0
35TH	457.50	-167.9	38.1	3751	1625	-44.8	23.4	-1201.1	260.2	-12.0	-57.6	15.1
36TH	470.50	-168.5	37.9	3751	1625	-44.9	23.2	-1033.3	222.1	-8.9	-43.0	13.1
37TH	483.50	-169.2	37.7	3751	1625	-45.1	23.2	-864.6	184.3	-6.4	-30.6	11.1
38TH	496.50	-169.3	37.5	3751	1625	-45.1	23.1	-695.4	146.6	-4.2	-20.7	9.1
39TH	509.50	-154.5	33.8	3751	1625	-41.2	20.8	-526.1	109.0	-2.6	-12.9	7.5
40TH	522.50	-159.2	33.6	4328	1875	-36.8	17.9	-371.6	75.2	-1.5	-6.2	5.3
41ST	537.50	-147.4	29.4	4616	2000	-31.9	14.7	-212.4	41.2	-0.6	-2.1	3.0
ROOF	553.50	-65.0	12.2	2308	1000	-28.2	12.2	-65.0	12.2	-0.1	-0.3	1.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 340 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	-119.0	39.1	3589	1563	-33.2	25.0	-6093.9	1709.4	-491.6	-1769.4	34.5
DUMY	12.50	-49.7	13.2	1457	1110	-34.1	11.9	-5974.9	1670.2	-470.5	-1693.9	32.9
2ND	18.50	-146.0	43.2	4372	3330	-33.4	13.0	-5925.1	1657.0	-460.5	-1658.2	31.6
3RD	36.50	-92.2	28.0	2793	2128	-33.0	13.2	-5779.1	1613.8	-431.1	-1552.0	28.3
DUMY	48.00	-38.7	11.8	1154	500	-33.5	23.5	-5687.0	1585.8	-412.7	-1487.3	26.4
4TH	52.00	-151.0	44.9	4472	1938	-33.8	23.2	-5648.3	1574.0	-406.4	-1464.3	26.0
5TH	67.50	-126.7	37.0	3751	1625	-33.8	22.7	-5497.3	1529.1	-382.3	-1377.9	24.6
6TH	80.50	-126.8	36.3	3751	1625	-33.8	22.3	-5370.6	1492.1	-362.7	-1307.3	23.5
7TH	93.50	-126.9	35.6	3751	1625	-33.8	21.9	-5243.8	1455.8	-343.5	-1238.3	22.3
8TH	106.50	-129.0	36.0	3751	1625	-34.4	22.1	-5116.8	1420.2	-324.8	-1170.3	21.2
9TH	119.50	-131.5	36.9	3751	1625	-35.1	22.7	-4987.9	1384.2	-306.6	-1105.3	20.1
10TH	132.50	-134.0	37.8	3751	1625	-35.7	23.3	-4856.4	1347.3	-288.8	-1041.0	18.9
11TH	145.50	-136.6	38.8	3751	1625	-36.4	23.9	-4722.4	1309.4	-271.6	-979.1	17.8
12TH	158.50	-139.1	39.7	3751	1625	-37.1	24.4	-4585.8	1270.7	-254.8	-918.5	16.7
13TH	171.50	-141.6	40.6	3751	1625	-37.8	25.0	-4446.7	1231.0	-238.5	-859.1	15.6
14TH	184.50	-144.2	41.6	3751	1625	-38.4	25.6	-4305.1	1190.2	-222.6	-802.9	14.5
15TH	197.50	-146.6	42.4	3751	1625	-39.1	26.1	-4160.9	1148.3	-207.2	-747.9	13.5
16TH	210.50	-146.8	42.0	3751	1625	-39.1	25.8	-4014.4	1106.3	-192.2	-694.2	12.5
17TH	223.50	-146.9	41.6	3751	1625	-39.2	25.6	-3867.6	1064.3	-177.8	-643.2	11.6
18TH	236.50	-147.0	41.1	3751	1625	-39.2	25.3	-3720.7	1022.3	-163.8	-594.6	10.7
19TH	249.50	-147.1	40.6	3751	1625	-39.2	25.0	-3573.6	981.0	-150.3	-548.1	9.8
20TH	262.50	-147.2	40.2	3751	1625	-39.2	24.7	-3426.6	941.0	-137.2	-504.0	9.0
21ST	275.50	-147.3	39.7	3751	1625	-39.3	24.5	-3279.4	900.8	-124.7	-461.9	8.2
22ND	288.50	-147.4	39.3	3751	1625	-39.3	24.2	-3132.1	861.1	-112.6	-421.6	7.4
23RD	301.50	-148.0	39.2	3751	1625	-39.5	24.1	-2984.7	821.8	-101.0	-383.2	6.7
24TH	314.50	-149.4	39.6	3751	1625	-39.8	24.4	-2836.7	782.6	-89.8	-346.4	6.0
25TH	327.50	-150.8	40.1	3751	1625	-40.2	24.7	-2687.3	743.3	-79.1	-311.2	5.3
26TH	340.50	-152.2	40.5	3751	1625	-40.6	24.9	-2536.5	703.4	-68.8	-277.6	4.7
27TH	353.50	-153.7	41.0	3751	1625	-41.0	25.2	-2384.4	662.5	-58.9	-245.6	4.1
28TH	366.50	-155.1	41.4	3751	1625	-41.3	25.5	-2230.6	621.5	-49.4	-215.3	3.5
29TH	379.50	-156.5	41.9	3751	1625	-41.7	25.8	-2075.5	580.1	-40.3	-186.7	3.0
30TH	392.50	-157.9	42.3	3751	1625	-42.1	26.1	-1919.0	538.1	-31.6	-159.8	2.5
31ST	405.50	-158.5	42.9	3751	1625	-42.3	26.4	-1761.1	495.8	-23.6	-134.8	2.0
32ND	418.50	-158.7	43.4	3751	1625	-42.3	26.7	-1602.6	452.9	-16.1	-111.8	1.6
33RD	431.50	-159.0	43.8	3751	1625	-42.4	27.0	-1443.9	409.5	-9.2	-90.8	1.2
34TH	444.50	-159.2	44.3	3751	1625	-42.4	27.3	-1284.9	365.7	-3.0	-71.9	0.9
35TH	457.50	-159.4	44.7	3751	1625	-42.5	27.5	-1125.7	321.4	2.4	-55.2	0.6
36TH	470.50	-159.7	45.2	3751	1625	-42.6	27.8	-966.3	276.7	7.1	-40.8	0.4
37TH	483.50	-159.9	45.7	3751	1625	-42.6	28.1	-806.8	231.5	11.1	-28.7	0.2
38TH	496.50	-159.7	46.2	3751	1625	-42.6	28.4	-646.8	185.8	14.3	-18.9	0.1
39TH	509.50	-144.9	42.1	3751	1625	-38.6	25.9	-487.1	139.6	16.8	-11.6	0.0
40TH	522.50	-148.0	42.6	4328	1875	-34.2	22.7	-342.2	97.5	18.6	-6.2	0.0
41ST	537.50	-135.3	38.4	4616	2000	-29.3	19.2	-194.1	54.9	19.7	-2.6	0.0
ROOF	553.50	-58.9	16.5	2308	1000	-25.5	16.5	-58.9	16.5	20.1	-0.7	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : YORKTOWN TOWER II, HOUSTON
WIND DIRECTION 350 CONFIGURATION A REFERENCE PRESSURE 42.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
1ST	0.00	-106.9	41.3	3589	1563	-29.8	26.4	-5773.0	1812.7	-519.2	-1667.4	-7.2
DUMY	12.50	-46.7	19.1	1457	1110	-32.1	17.2	-5666.1	1771.4	-496.8	-1595.9	-8.3
2ND	18.50	-139.5	58.1	4372	3330	-31.9	17.4	-5619.4	1752.3	-486.2	-1562.1	-8.9
3RD	36.50	-88.8	34.2	2793	2128	-31.8	16.1	-5479.9	1694.2	-455.2	-1462.2	-10.3
DUMY	48.00	-36.8	12.3	1154	500	-31.9	24.7	-5391.0	1660.0	-435.9	-1399.7	-11.3
4TH	52.00	-144.1	47.4	4472	1938	-32.2	24.4	-5354.3	1647.7	-429.3	-1378.2	-11.5
5TH	67.50	-121.1	39.2	3751	1625	-32.3	24.1	-5210.1	1600.3	-404.2	-1296.3	-12.2
6TH	80.50	-121.3	38.6	3751	1625	-32.3	23.8	-5089.0	1561.2	-383.6	-1229.4	-12.7
7TH	93.50	-121.5	38.1	3751	1625	-32.4	23.5	-4967.7	1522.5	-363.6	-1164.0	-13.1
8TH	106.50	-123.6	38.3	3751	1625	-32.9	23.5	-4846.2	1484.4	-344.0	-1100.2	-13.3
9TH	119.50	-126.1	38.9	3751	1625	-33.6	23.9	-4722.7	1446.1	-325.0	-1038.0	-13.5
10TH	132.50	-128.7	39.5	3751	1625	-34.3	24.3	-4596.6	1407.2	-306.4	-977.4	-13.6
11TH	145.50	-131.3	40.2	3751	1625	-35.0	24.7	-4467.9	1367.7	-288.4	-918.5	-13.7
12TH	158.50	-133.8	40.8	3751	1625	-35.7	25.1	-4336.6	1327.6	-270.9	-861.3	-13.7
13TH	171.50	-136.4	41.4	3751	1625	-36.4	25.5	-4202.8	1286.8	-253.9	-805.8	-13.6
14TH	184.50	-139.0	42.1	3751	1625	-37.1	25.9	-4066.4	1245.3	-237.4	-752.0	-13.5
15TH	197.50	-141.5	42.6	3751	1625	-37.7	26.2	-3927.4	1203.3	-221.5	-700.1	-13.3
16TH	210.50	-141.7	42.2	3751	1625	-37.8	26.0	-3786.0	1160.7	-206.1	-649.9	-13.0
17TH	223.50	-141.8	41.8	3751	1625	-37.8	25.7	-3644.3	1118.5	-191.3	-601.6	-12.7
18TH	236.50	-141.9	41.3	3751	1625	-37.8	25.4	-3502.5	1076.7	-177.0	-555.2	-12.4
19TH	249.50	-142.0	40.9	3751	1625	-37.8	25.1	-3360.6	1035.4	-163.3	-510.6	-12.1
20TH	262.50	-142.0	40.4	3751	1625	-37.9	24.9	-3218.7	994.5	-150.1	-467.8	-11.7
21ST	275.50	-142.1	39.9	3751	1625	-37.9	24.6	-3076.6	954.1	-137.5	-426.9	-11.4
22ND	288.50	-142.2	39.5	3751	1625	-37.9	24.3	-2934.5	914.2	-125.3	-387.8	-11.0
23RD	301.50	-142.4	39.5	3751	1625	-38.0	24.3	-2792.3	874.7	-113.7	-350.6	-10.6
24TH	314.50	-142.9	40.3	3751	1625	-38.1	24.8	-2649.9	835.2	-102.6	-315.2	-10.2
25TH	327.50	-143.4	41.1	3751	1625	-38.2	25.3	-2507.0	794.9	-92.0	-281.7	-9.8
26TH	340.50	-143.9	42.0	3751	1625	-38.4	25.8	-2363.6	753.8	-81.9	-250.0	-9.4
27TH	353.50	-144.5	42.8	3751	1625	-38.5	26.3	-2219.6	711.8	-72.4	-220.3	-8.9
28TH	366.50	-145.0	43.6	3751	1625	-38.7	26.8	-2075.2	669.0	-63.4	-192.3	-8.5
29TH	379.50	-145.5	44.5	3751	1625	-38.8	27.4	-1930.2	625.4	-55.0	-166.3	-8.1
30TH	392.50	-146.0	45.3	3751	1625	-38.9	27.9	-1784.7	580.9	-47.2	-142.2	-7.6
31ST	405.50	-146.5	46.0	3751	1625	-39.1	28.3	-1638.7	535.6	-39.9	-119.9	-7.1
32ND	418.50	-146.9	46.4	3751	1625	-39.2	28.6	-1492.2	489.7	-33.2	-99.6	-6.6
33RD	431.50	-147.4	46.9	3751	1625	-39.3	28.9	-1345.2	443.2	-27.2	-81.1	-6.1
34TH	444.50	-147.9	47.4	3751	1625	-39.4	29.1	-1197.8	396.3	-21.7	-64.6	-5.5
35TH	457.50	-148.4	47.8	3751	1625	-39.6	29.4	-1049.9	349.0	-16.9	-50.0	-5.0
36TH	470.50	-148.9	48.3	3751	1625	-39.7	29.7	-901.5	301.1	-12.6	-37.3	-4.3
37TH	483.50	-149.4	48.7	3751	1625	-39.8	30.0	-752.6	252.9	-9.0	-26.5	-3.7
38TH	496.50	-149.5	49.2	3751	1625	-39.9	30.3	-603.3	204.1	-6.1	-17.7	-3.0
39TH	509.50	-135.5	45.5	3751	1625	-36.1	28.0	-453.8	154.9	-3.7	-10.9	-2.3
40TH	522.50	-138.1	46.9	4328	1875	-31.9	25.0	-318.3	109.4	-2.0	-5.8	-1.6
41ST	537.50	-125.7	43.4	4616	2000	-27.2	21.7	-180.2	62.5	-.7	-2.1	-.9
ROOF	553.50	-54.5	19.1	2308	1000	-23.6	19.1	-54.5	19.1	-.1	-.2	-.3

TABLE 7. YORKTOWN TOWER II, HOUSTON
PROJECT 7620 CONFIGURATION A
SCALE = 300 REF. PRESSURE = 42.0
GUST FACTOR = 1.32 STANDARD FLOOR HEIGHT = 13.00
NUMBER OF SIDES = 10 NO. OF FLOORS = 44

SIDE	ANGLE	Z-AXIS
1	270.0	4.900
2	270.0	2.500
3	270.0	1.100
4	0.0	5.770
5	0.0	2.170
6	90.0	2.500
7	90.0	1.100
8	90.0	-2.500
9	180.0	5.770
10	180.0	2.170

FLOOR #	LABEL	HEIGHT-FT
1	1ST	12.50
2	DUMY	6.00
3	2ND	18.00
4	3RD	11.50
5	DUMY	4.00
6	4TH	15.50
7	5TH	13.00
8	6TH	13.00
9	7TH	13.00
10	8TH	13.00
11	9TH	13.00
12	10TH	13.00
13	11TH	13.00
14	12TH	13.00
15	13TH	13.00
16	14TH	13.00
17	15TH	13.00
18	16TH	13.00
19	17TH	13.00
20	18TH	13.00
21	19TH	13.00
22	20TH	13.00
23	21ST	13.00
24	22ND	13.00
25	23RD	13.00
26	24TH	13.00
27	25TH	13.00
28	26TH	13.00
29	27TH	13.00
30	28TH	13.00
31	29TH	13.00
32	30TH	13.00
33	31ST	13.00
34	32ND	13.00
35	33RD	13.00
36	34TH	13.00
37	35TH	13.00
38	36TH	13.00
39	37TH	13.00
40	38TH	13.00
41	39TH	13.00
42	40TH	15.00
43	41ST	16.00
44	ROOF	8.00

APPENDIX A

PRESSURE DATA

Note: Pressure coefficients are defined in Section 4.3.

Pressure tap designation is explained in Figure 3.

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	101	.030	.171	.663	-.563
0	102	.120	.167	.748	-.505
0	103	.092	.135	.598	-.353
0	104	.158	.160	.670	-.391
0	105	.148	.156	.728	-.398
0	106	.111	.125	.686	-.362
0	107	.173	.152	.776	-.463
0	108	.178	.146	.619	-.263
0	109	.162	.150	.671	-.292
0	110	.083	.164	.667	-.454
0	111	.297	.157	.897	-.209
0	112	.453	.176	1.011	-.213
0	113	.508	.180	1.042	-.172
0	114	.508	.183	1.061	-.101
0	115	.486	.179	1.024	-.042
0	116	.370	.182	1.075	-.245
0	117	.060	.172	.701	-.576
0	118	.225	.172	.927	-.320
0	119	.381	.163	.975	-.069
0	120	.421	.155	.953	-.066
0	121	.484	.155	.984	.015
0	122	.485	.157	1.077	.004
0	123	.491	.155	1.068	.030
0	124	.426	.160	.930	-.019
0	125	.364	.169	.901	-.162
0	126	-.015	.174	.683	-.640
0	127	.168	.165	.789	-.300
0	128	.370	.156	.951	-.147
0	129	.432	.156	1.021	-.059
0	130	.423	.153	.919	-.035
0	131	.398	.149	.921	-.037
0	132	.367	.162	.846	-.154
0	133	-.036	.163	.685	-.599
0	134	.094	.159	.820	-.376
0	135	.246	.144	.879	-.190
0	136	.284	.142	.870	-.167
0	137	.344	.141	.890	-.064
0	138	.339	.142	.862	-.073
0	139	.354	.140	.853	-.061
0	140	.364	.135	.884	-.085
0	141	.333	.138	.837	-.148
0	142	-.045	.145	.541	-.531
0	143	.079	.138	.647	-.336
0	144	.220	.142	.708	-.256
0	145	.286	.138	.784	-.204
0	146	.284	.139	.844	-.231
0	147	.299	.138	.876	-.209
0	148	.269	.149	.762	-.256
0	149	.006	.134	.436	-.461
0	150	.060	.131	.496	-.419
0	151	.217	.139	.695	-.259
0	152	.249	.128	.792	-.097
0	153	.321	.131	.930	-.064
0	154	.317	.134	.937	-.097
0	155	.335	.129	.937	-.074
0	156	.319	.151	1.006	-.066
0	157	.307	.151	.922	-.094
0	201	-.025	.196	.574	-1.241
0	202	.035	.184	.615	-.666
0	203	.062	.127	.590	-.437
0	204	.022	.120	.473	-.509
0	205	-.012	.115	.394	-.450
0	206	-.058	.110	.329	-.518
0	207	-.145	.103	.194	-.576
0	208	-.195	.103	.142	-.620
0	209	.193	.204	.760	-.698
0	210	.212	.208	.791	-.756
0	211	.283	.151	.805	-.166
0	212	.224	.139	.771	-.251
0	213	.143	.130	.600	-.267
0	214	.040	.115	.456	-.359
0	215	-.118	.096	.258	-.499
0	216	-.194	.093	.156	-.580
0	217	.215	.206	.860	-.459
0	218	.236	.210	.841	-.489
0	219	.318	.150	.843	-.103
0	220	.256	.135	.749	-.139
0	221	.159	.121	.647	-.182
0	222	.039	.107	.471	-.273
0	223	-.115	.096	.219	-.433
0	224	-.192	.094	.143	-.481
0	225	.248	.198	.822	-.527
0	226	.267	.198	.825	-.525
0	227	.285	.143	.681	-.148
0	228	.234	.131	.597	-.185
0	229	.148	.120	.521	-.269
0	230	.041	.106	.411	-.336
0	231	-.103	.103	.262	-.444
0	232	-.171	.102	.198	-.494
0	233	.238	.181	.859	-.529
0	234	.222	.165	.830	-.443
0	235	.268	.132	.731	-.148
0	236	.230	.123	.652	-.126
0	237	.152	.115	.572	-.194
0	238	.049	.104	.407	-.268
0	239	-.103	.098	.286	-.449
0	240	-.188	.096	.203	-.517
0	241	.228	.162	.861	-.301
0	242	.243	.160	.836	-.302
0	243	.244	.118	.620	-.102
0	244	.217	.112	.609	-.098
0	245	.148	.109	.548	-.189
0	246	.053	.101	.459	-.284
0	247	-.117	.097	.272	-.447
0	248	-.205	.097	.150	-.552
0	249	.234	.122	.731	-.148
0	250	.181	.115	.646	-.199
0	251	.082	.100	.473	-.241
0	252	.288	.134	.736	-.286
0	253	.292	.133	.743	-.331
0	254	.310	.119	.769	-.070
0	255	.290	.122	.710	-.094
0	256	.267	.116	.638	-.120
0	257	.331	.138	.988	-.080
0	258	.246	.118	.686	-.130
0	259	.193	.110	.593	-.150
0	260	.283	.136	.795	-.115
0	261	.136	.109	.519	-.217
0	262	.093	.103	.507	-.254
0	263	.191	.135	.791	-.229
0	264	-.088	.097	.279	-.391
0	265	-.189	.098	.177	-.519
0	301	-.272	.113	.086	-.680
0	302	-.282	.118	.079	-.685
0	303	-.289	.111	.173	-.702
0	304	-.262	.101	.116	-.589
0	305	-.273	.100	.109	-.598
0	306	-.273	.100	.111	-.587
0	307	-.246	.097	.105	-.597
0	308	-.256	.099	.077	-.606
0	309	-.265	.099	.062	-.613
0	310	-.248	.103	.090	-.566
0	311	-.249	.104	.065	-.667
0	312	-.254	.102	.088	-.669
0	313	-.279	.104	.025	-.659
0	314	-.288	.105	.017	-.701
0	315	-.291	.096	-.017	-.691
0	316	-.305	.108	-.021	-.770
0	317	-.318	.109	-.008	-.791
0	318	-.323	.107	-.014	-.829
0	319	-.210	.101	.190	-.542
0	320	-.215	.098	.139	-.555
0	321	-.221	.097	.247	-.550
0	322	-.225	.094	.103	-.548
0	323	-.197	.111	.256	-.529
0	324	-.278	.107	.021	-.668
0	325	-.301	.111	-.000	-.729
0	326	-.304	.111	-.000	-.760
0	401	-.260	.110	.126	-.826
0	402	-.286	.110	.100	-.802

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	403	-.268	.110	.100	-.789
0	404	-.264	.098	.054	-.636
0	405	-.253	.096	.066	-.576
0	406	-.284	.098	.062	-.678
0	407	-.275	.099	.080	-.675
0	408	-.248	.091	.059	-.539
0	409	-.243	.089	.051	-.523
0	410	-.266	.091	.029	-.567
0	411	-.250	.090	.065	-.558
0	412	-.256	.093	.048	-.613
0	413	-.250	.094	.081	-.628
0	414	-.280	.093	.040	-.659
0	415	-.271	.091	.069	-.658
0	416	-.282	.097	.112	-.615
0	417	-.237	.096	.108	-.589
0	418	-.263	.098	.123	-.605
0	419	-.243	.095	.104	-.564
0	420	-.244	.083	.025	-.524
0	421	-.242	.086	.033	-.536
0	422	-.282	.088	.011	-.571
0	423	-.278	.090	.025	-.606
0	424	-.244	.097	.061	-.693
0	425	-.241	.097	.074	-.689
0	426	-.264	.098	.058	-.685
0	427	-.245	.097	.096	-.699
0	428	-.235	.100	.066	-.584
0	429	-.228	.099	.054	-.566
0	430	-.263	.101	.031	-.631
0	431	-.257	.100	.076	-.576
0	432	-.282	.094	.057	-.851
0	433	-.286	.093	.017	-.666
0	434	-.316	.093	-.002	-.666
0	435	-.290	.091	.020	-.700
0	436	-.272	.101	.027	-.670
0	437	-.269	.097	.035	-.656
0	438	-.306	.095	.007	-.671
0	439	-.290	.094	.021	-.639
0	440	-.294	.101	.018	-.675
0	441	-.294	.106	.043	-.737
0	442	-.302	.104	.028	-.774
0	443	-.279	.102	.006	-.714
0	444	-.269	.100	.054	-.632
0	445	-.253	.096	.087	-.537
0	446	-.289	.097	.047	-.611
0	447	-.254	.095	.020	-.559
0	448	-.239	.096	.104	-.572
0	449	-.298	.118	.062	-.777
0	450	-.298	.124	.067	-.739
0	451	-.230	.126	.188	-.708
0	452	-.206	.106	.215	-.587

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	453	-.199	.091	.215	-.487
0	454	-.318	.123	.010	-1.032
0	455	-.313	.155	.168	-1.425
0	456	-.424	.079	.699	-.106
0	457	-.219	.112	.231	-.697
0	458	-.258	.113	.140	-.734
0	459	-.211	.119	.302	-.654
0	460	-.183	.105	.169	-.515
0	461	-.167	.105	.160	-.543
0	501	-.321	.114	.098	-.862
0	502	-.295	.108	.127	-.901
0	503	-.312	.115	.043	-.827
0	504	-.315	.114	.057	-.747
0	505	-.309	.109	.090	-.824
0	506	-.290	.111	.123	-.713
0	507	-.276	.104	.146	-.629
0	508	-.275	.103	.140	-.646
0	509	-.316	.101	.067	-.679
0	510	-.313	.101	.067	-.676
0	511	-.297	.098	.089	-.634
0	512	-.289	.095	.073	-.598
0	513	-.279	.091	.074	-.562
0	514	-.267	.094	.091	-.548
0	515	-.270	.100	.039	-.645
0	516	-.270	.102	.048	-.788
0	517	-.331	.106	.048	-.678
0	518	-.324	.105	.025	-.695
0	519	-.295	.094	.108	-.640
0	520	-.285	.095	.134	-.641
0	521	-.273	.095	.139	-.637
0	522	-.260	.096	.140	-.626
0	523	-.249	.098	.054	-.649
0	524	-.249	.099	.056	-.636
0	525	-.333	.110	.007	-.798
0	526	-.323	.107	-.010	-.821
0	527	-.303	.102	.096	-.635
0	528	-.299	.099	.105	-.613
0	529	-.289	.098	.104	-.596
0	530	-.273	.096	.122	-.586
0	531	-.254	.099	.133	-.704
0	532	-.254	.103	.156	-.782
0	533	-.300	.105	.013	-.701
0	534	-.298	.105	.030	-.684
0	535	-.317	.095	.002	-.708
0	536	-.328	.101	-.004	-.719
0	537	-.320	.103	.005	-.783
0	538	-.303	.100	.012	-.703
0	539	-.289	.103	.114	-.776
0	540	-.290	.107	.109	-.850
0	541	-.258	.103	.096	-.645

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	542	-.257	.104	.109	-.664
0	543	-.273	.106	.098	-.695
0	544	-.275	.109	.143	-.687
0	545	-.311	.115	.068	-.832
0	546	-.314	.131	.078	-.958
0	547	-.289	.107	.070	-.760
0	548	-.286	.111	.092	-.836
0	549	-.213	.106	.125	-.591
0	550	-.237	.100	.108	-.605
0	551	-.226	.098	.092	-.705
0	552	-.199	.117	.269	-.636
0	553	-.196	.115	.240	-.556
0	554	-.200	.108	.193	-.570
0	555	-.175	.094	.233	-.498
0	556	-.112	.102	.419	-.473
0	557	-.057	.160	.628	-.482
0	558	-.300	.133	.174	-.949
0	559	-.190	.113	.227	-.710
0	560	-.176	.114	.241	-.633
0	601	-.208	.106	.126	-.779
0	602	-.080	.133	.407	-.810
0	603	-.367	.225	.450	-1.368
0	604	-.200	.100	.105	-.646
0	605	-.084	.187	.478	-.953
0	606	-.404	.231	.389	-1.192
0	607	-.192	.106	.211	-.857
0	608	-.230	.252	.418	-1.204
0	609	-.471	.220	.275	-1.304
0	610	-.223	.113	.144	-.725
0	611	-.289	.252	.347	-1.281
0	612	-.544	.218	.128	-1.423
0	613	-.263	.119	.114	-.790
0	614	-.294	.231	.229	-1.091
0	615	-.508	.202	.241	-1.254
0	616	-.237	.109	.091	-.833
0	617	-.258	.213	.223	-1.166
0	618	-.443	.209	.431	-1.195
0	619	-.233	.136	.506	-.795
0	620	-.107	.114	.314	-.478
0	621	-.017	.130	.626	-.362
0	622	-.154	.163	.700	-.649
0	623	.033	.130	.567	-.354
0	624	-.114	.110	.307	-.459
0	625	-.124	.176	.427	-.697
0	626	-.273	.170	.284	-.967
0	801	-.193	.094	.128	-.546
0	802	-.195	.092	.136	-.509
0	803	-.158	.095	.233	-.497
0	804	-.224	.130	.185	-.967
0	805	-.022	.123	.414	-.582

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	901	-.318	.143	.190	-.868
0	902	-.343	.148	.144	-.904
0	903	-.402	.158	.026	-1.023
0	904	-.360	.156	.238	-1.160
0	905	-.398	.142	.081	-.995
0	906	-.365	.126	.074	-.985
0	907	-.452	.152	.027	-1.064
0	908	-.415	.144	.071	-.977
0	909	-.425	.155	.047	-1.072
0	910	-.420	.155	-.011	-1.054
0	911	-.417	.144	-.032	-1.081
0	912	-.449	.176	.000	-1.449
0	913	-.382	.113	-.011	-.751
0	914	-.394	.121	-.006	-.841
0	915	-.424	.132	-.018	-.950
0	916	-.278	.091	-.002	-.613
0	917	-.240	.103	.130	-.588
0	918	-.320	.111	.038	-.779
0	919	-.434	.143	-.042	-1.175
0	920	-.294	.129	.116	-.884
0	1001	-.291	.094	.025	-.645
0	1002	-.267	.107	.300	-.573
0	1003	-.270	.128	.278	-.856
0	1004	-.308	.127	.132	-.793
0	1005	-.310	.113	.048	-.796
0	1006	-.316	.108	.036	-.755
0	1007	-.298	.098	.003	-.720
0	1008	-.295	.094	-.030	-.671
0	1009	-.397	.185	.164	-1.100
0	1010	-.410	.231	.419	-1.122
0	1011	-.259	.244	.440	-1.200
0	1012	-.299	.107	.122	-.838
0	1013	-.280	.097	.108	-.934
0	1014	-.328	.098	.072	-.692
0	1015	-.319	.096	-.017	-.666
0	1016	-.304	.099	.003	-.947
0	1017	-.136	.111	.342	-.493
0	1018	.242	.167	.925	-.315
0	1019	-.228	.099	.061	-.628
0	1020	-.278	.102	.082	-.595
0	1021	-.215	.092	.086	-.536
0	1022	-.032	.111	.409	-.426
0	1023	-.230	.094	.158	-.561
0	1024	-.235	.095	.114	-.560
0	1101	-.393	.117	-.027	-.806
0	1102	-.301	.120	.112	-.835
0	1103	-.047	.183	.719	-.630
0	1104	-.253	.097	.070	-.603
0	1105	-.279	.091	.064	-.628
0	1106	-.243	.094	.098	-.581
0	1107	-.312	.109	.021	-.799
0	1108	-.293	.109	.035	-.782
0	1109	-.316	.111	.052	-.686
0	1201	-.187	.091	.131	-.477
0	1202	-.194	.091	.119	-.493
0	1203	-.159	.093	.180	-.459
0	1204	-.213	.088	.116	-.522
0	1205	-.183	.085	.145	-.489
0	1206	-.168	.088	.162	-.513
0	1207	-.233	.101	.133	-.635
0	1208	-.215	.098	.105	-.557
0	1209	-.210	.103	.131	-.577
10	101	.134	.171	.828	-.391
10	102	.175	.156	.690	-.285
10	103	.075	.142	.601	-.473
10	104	.179	.147	.735	-.251
10	105	.112	.148	.781	-.400
10	106	.068	.128	.523	-.340
10	107	.136	.141	.703	-.345
10	108	.113	.143	.601	-.374
10	109	.047	.140	.620	-.443
10	110	.247	.194	1.010	-.256
10	111	.403	.181	1.005	-.066
10	112	.474	.180	1.069	-.089
10	113	.481	.177	1.067	-.072
10	114	.416	.180	1.022	-.146
10	115	.339	.169	.875	-.177
10	116	.195	.163	.743	-.305
10	117	.257	.173	.816	-.267
10	118	.352	.178	.905	-.156
10	119	.470	.168	.941	-.002
10	120	.466	.172	1.068	-.193
10	121	.489	.167	1.032	-.117
10	122	.452	.171	1.016	-.142
10	123	.447	.162	.999	-.076
10	124	.335	.155	.908	-.203
10	125	.212	.167	.772	-.291
10	126	.138	.177	.716	-.465
10	127	.301	.162	.922	-.291
10	128	.398	.164	.875	-.209
10	129	.425	.156	.944	-.099
10	130	.360	.153	.916	-.132
10	131	.301	.144	.868	-.171
10	132	.212	.160	.697	-.260
10	133	.119	.178	.839	-.569
10	134	.184	.177	.837	-.536
10	135	.312	.158	.921	-.091
10	136	.336	.146	1.026	-.060
10	137	.376	.143	.991	.000
10	138	.339	.148	.940	-.066
10	139	.358	.143	.927	-.013
10	140	.303	.144	.935	-.106
10	141	.221	.154	.744	-.366
10	142	.091	.156	.674	-.485
10	143	.195	.145	.656	-.303
10	144	.255	.136	.763	-.138
10	145	.297	.131	.792	-.070
10	146	.246	.132	.768	-.127
10	147	.241	.126	.656	-.208
10	148	.192	.139	.675	-.380
10	149	.106	.135	.723	-.292
10	150	.122	.132	.828	-.302
10	151	.280	.130	.882	-.092
10	152	.286	.139	.881	-.134
10	153	.344	.141	.837	-.106
10	154	.305	.147	.838	-.176
10	155	.335	.139	.882	-.127
10	156	.324	.135	.823	-.073
10	157	.298	.134	.777	-.068
10	201	.330	.186	.429	-.062
10	202	.238	.193	.488	-.875
10	203	.043	.114	.308	-.454
10	204	.061	.106	.278	-.412
10	205	.089	.104	.282	-.471
10	206	.116	.099	.233	-.450
10	207	.185	.097	.101	-.588
10	208	.224	.097	.090	-.646
10	209	.105	.218	.514	-.815
10	210	.090	.229	.547	-.831
10	211	.148	.147	.643	-.537
10	212	.117	.122	.567	-.326
10	213	.043	.113	.448	-.375
10	214	.036	.099	.286	-.424
10	215	.170	.092	.170	-.472
10	216	.229	.092	.078	-.527
10	217	.046	.207	.510	-.849
10	218	.029	.215	.334	-.833
10	219	.172	.136	.567	-.299
10	220	.141	.112	.484	-.220
10	221	.057	.102	.394	-.266
10	222	.034	.093	.324	-.306
10	223	.168	.093	.135	-.469
10	224	.225	.096	.080	-.544
10	225	.006	.199	.643	-.726
10	226	.027	.206	.649	-.721
10	227	.165	.126	.615	-.266
10	228	.139	.109	.528	-.220
10	229	.059	.104	.417	-.318
10	230	.027	.096	.311	-.394
10	231	.154	.101	.251	-.511

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	232	-.212	.101	.126	-.575
10	233	.071	.181	.734	-.621
10	234	.103	.192	.656	-.764
10	235	.175	.120	.594	-.316
10	236	.154	.106	.528	-.155
10	237	.080	.103	.570	-.244
10	238	-.005	.097	.464	-.311
10	239	-.152	.095	.209	-.464
10	240	-.222	.096	.142	-.528
10	241	.076	.153	.491	-.542
10	242	.102	.156	.515	-.594
10	243	.194	.115	.594	-.271
10	244	.175	.104	.559	-.147
10	245	.101	.101	.431	-.212
10	246	.014	.096	.345	-.287
10	247	-.153	.097	.243	-.497
10	248	-.238	.099	.126	-.607
10	249	.201	.114	.623	-.227
10	250	.151	.106	.547	-.268
10	251	.047	.098	.396	-.274
10	252	.223	.139	.681	-.208
10	253	.225	.140	.668	-.276
10	254	.263	.123	.639	-.123
10	255	.230	.113	.713	-.150
10	256	.213	.109	.671	-.168
10	257	.267	.131	.794	-.085
10	258	.184	.105	.620	-.190
10	259	.152	.101	.463	-.154
10	260	.233	.121	.823	-.118
10	261	.084	.100	.420	-.225
10	262	.057	.096	.366	-.243
10	263	.126	.116	.668	-.238
10	264	-.120	.096	.236	-.418
10	265	-.222	.103	.138	-.567
10	301	-.282	.101	.053	-.628
10	302	-.286	.106	.061	-.683
10	303	-.279	.110	.082	-.751
10	304	-.259	.101	.089	-.653
10	305	-.275	.102	.061	-.670
10	306	-.271	.101	.071	-.644
10	307	-.255	.084	.045	-.577
10	308	-.262	.087	.066	-.602
10	309	-.279	.087	.044	-.629
10	310	-.260	.089	.077	-.647
10	311	-.272	.105	.147	-.609
10	312	-.278	.105	.127	-.612
10	313	-.290	.109	.106	-.631
10	314	-.296	.110	.113	-.681
10	315	-.288	.100	.051	-.624
10	316	-.286	.124	.110	-.708
10	317	-.315	.124	.114	-.755
10	318	-.320	.120	.090	-.718
10	319	-.240	.099	.110	-.608
10	320	-.249	.100	.048	-.586
10	321	-.261	.096	.064	-.563
10	322	-.245	.092	.047	-.537
10	323	-.239	.098	.147	-.573
10	324	-.257	.118	.146	-.813
10	325	-.294	.124	.100	-.693
10	326	-.294	.124	.112	-.769
10	401	-.262	.109	.075	-.680
10	402	-.300	.110	.065	-.728
10	403	-.270	.110	.107	-.654
10	404	-.266	.104	.033	-.682
10	405	-.263	.102	.035	-.686
10	406	-.323	.109	-.016	-.736
10	407	-.305	.108	-.065	-.753
10	408	-.260	.093	.054	-.561
10	409	-.254	.091	.037	-.555
10	410	-.286	.094	.007	-.600
10	411	-.263	.092	.017	-.587
10	412	-.264	.089	.040	-.577
10	413	-.257	.090	.030	-.577
10	414	-.304	.091	.005	-.625
10	415	-.295	.093	.018	-.655
10	416	-.300	.101	.004	-.619
10	417	-.251	.092	.028	-.567
10	418	-.289	.094	.012	-.616
10	419	-.260	.090	.022	-.563
10	420	-.257	.087	.008	-.541
10	421	-.258	.088	.031	-.554
10	422	-.318	.090	-.019	-.609
10	423	-.306	.089	-.024	-.592
10	424	-.263	.097	.049	-.569
10	425	-.257	.096	.048	-.564
10	426	-.291	.099	.007	-.609
10	427	-.264	.097	.031	-.580
10	428	-.259	.086	.040	-.562
10	429	-.248	.086	.009	-.549
10	430	-.297	.090	-.022	-.593
10	431	-.294	.094	-.010	-.701
10	432	-.298	.099	.047	-.668
10	433	-.266	.092	.121	-.639
10	434	-.308	.093	.082	-.661
10	435	-.275	.090	.067	-.621
10	436	-.275	.094	.006	-.603
10	437	-.273	.091	.041	-.570
10	438	-.325	.094	.028	-.622
10	439	-.299	.092	.035	-.592
10	440	-.304	.105	.022	-.651
10	441	-.303	.115	.018	-.868
10	442	-.312	.107	-.019	-.757
10	443	-.286	.102	.022	-.697
10	444	-.261	.100	.108	-.664
10	445	-.248	.103	.084	-.624
10	446	-.308	.104	.040	-.716
10	447	-.267	.103	.022	-.750
10	448	-.257	.097	.050	-.628
10	449	-.263	.123	.079	-.672
10	450	-.246	.116	.253	-.840
10	451	-.201	.102	.222	-.560
10	452	-.240	.108	.153	-.602
10	453	-.224	.101	.074	-.639
10	454	-.323	.137	.050	-.980
10	455	-.293	.164	.256	-1.125
10	456	-.444	.067	.665	-.222
10	457	-.181	.100	.191	-.460
10	458	-.239	.094	.087	-.520
10	459	-.235	.122	.278	-.700
10	460	-.233	.100	.149	-.558
10	461	-.203	.102	.166	-.518
10	501	-.357	.128	.041	-.983
10	502	-.321	.121	.009	-.985
10	503	-.329	.111	.056	-.754
10	504	-.327	.110	.035	-.824
10	505	-.326	.103	.092	-.757
10	506	-.310	.105	.076	-.884
10	507	-.298	.106	.124	-.754
10	508	-.297	.105	.120	-.742
10	509	-.331	.111	-.032	-.729
10	510	-.325	.110	-.029	-.730
10	511	-.304	.101	.021	-.637
10	512	-.293	.098	.025	-.649
10	513	-.288	.095	.030	-.622
10	514	-.277	.099	.057	-.608
10	515	-.265	.096	.060	-.597
10	516	-.264	.098	.058	-.598
10	517	-.340	.106	-.001	-.684
10	518	-.331	.104	-.007	-.680
10	519	-.310	.097	-.023	-.647
10	520	-.295	.096	.006	-.621
10	521	-.288	.097	.029	-.605
10	522	-.273	.097	.047	-.582
10	523	-.255	.092	.110	-.629
10	524	-.254	.092	.106	-.623
10	525	-.373	.111	-.006	-.897
10	526	-.359	.109	.000	-.784
10	527	-.316	.099	.003	-.732
10	528	-.308	.097	.008	-.619
10	529	-.300	.096	.002	-.620

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	530	-.279	.093	.008	-.581
10	531	-.273	.092	.044	-.605
10	532	-.273	.095	.059	-.627
10	533	-.342	.097	.038	-.774
10	534	-.335	.097	.024	-.661
10	535	-.330	.102	-.010	-.670
10	536	-.347	.106	-.039	-.756
10	537	-.343	.104	-.030	-.725
10	538	-.318	.101	.000	-.689
10	539	-.308	.104	.076	-.775
10	540	-.308	.107	.083	-.793
10	541	-.291	.104	.060	-.621
10	542	-.280	.106	.087	-.615
10	543	-.283	.101	.057	-.644
10	544	-.303	.109	.065	-.725
10	545	-.341	.112	.016	-.773
10	546	-.342	.126	.105	-.909
10	547	-.298	.111	.076	-.889
10	548	-.292	.113	.086	-.870
10	549	-.245	.123	.160	-.701
10	550	-.234	.103	.105	-.769
10	551	-.210	.115	.178	-.709
10	552	-.162	.128	.422	-.612
10	553	-.226	.119	.145	-.698
10	554	-.225	.111	.106	-.661
10	555	-.205	.089	.088	-.476
10	556	-.133	.097	.178	-.434
10	557	-.019	.173	.666	-.560
10	558	-.313	.149	.332	-.996
10	559	-.172	.122	.178	-.648
10	560	-.156	.124	.223	-.641
10	601	-.143	.115	.386	-.570
10	602	.007	.139	.539	-.485
10	603	-.122	.225	.638	-.836
10	604	-.155	.111	.252	-.514
10	605	.076	.164	.605	-.569
10	606	-.099	.229	.530	-1.095
10	607	-.140	.103	.270	-.494
10	608	.006	.179	.527	-.909
10	609	-.202	.231	.538	-.990
10	610	-.183	.111	.184	-.612
10	611	-.032	.176	.479	-.903
10	612	-.297	.228	.337	-1.138
10	613	-.213	.116	.177	-.641
10	614	-.052	.169	.624	-.746
10	615	-.280	.236	.878	-1.086
10	616	-.198	.107	.203	-.565
10	617	.080	.164	.386	-.956
10	618	-.297	.200	.297	-1.128
10	619	-.170	.150	.518	-.630
10	620	-.091	.111	.458	-.428
10	621	.072	.114	.499	-.438
10	622	-.052	.163	.442	-.640
10	623	.101	.130	.521	-.424
10	624	-.078	.105	.299	-.436
10	625	.006	.144	.583	-.700
10	626	-.152	.183	.671	-.811
10	801	-.229	.088	.115	-.526
10	802	-.238	.088	.116	-.548
10	803	-.177	.087	.169	-.471
10	804	-.303	.182	.181	-1.118
10	805	-.045	.148	.486	-.602
10	901	-.346	.134	.268	-.839
10	902	-.304	.147	.274	-.875
10	903	-.427	.160	.100	-1.172
10	904	-.332	.164	.295	-1.028
10	905	-.409	.144	.036	-1.050
10	906	-.366	.128	.029	-.889
10	907	-.496	.154	.021	-1.159
10	908	-.432	.147	-.003	-1.073
10	909	-.465	.147	.096	-1.018
10	910	-.459	.144	.047	-.997
10	911	-.497	.127	-.120	-.943
10	912	-.524	.169	-.080	-1.297
10	913	-.450	.144	-.034	-1.163
10	914	-.430	.133	-.062	-.971
10	915	-.504	.150	-.090	-1.092
10	916	-.282	.099	.051	-.659
10	917	-.264	.098	.051	-.590
10	918	-.299	.105	.034	-.785
10	919	-.616	.178	-.044	-1.395
10	920	-.353	.149	.047	-1.230
10	1001	-.239	.093	.046	-.558
10	1002	-.262	.096	.102	-.626
10	1003	-.306	.129	.185	-.783
10	1004	-.327	.135	.237	-.860
10	1005	-.311	.129	.167	-.811
10	1006	-.328	.125	.068	-1.083
10	1007	-.315	.112	.100	-.825
10	1008	-.307	.105	.077	-.819
10	1009	-.363	.207	.261	-1.062
10	1010	-.466	.206	.254	-1.100
10	1011	-.380	.275	.412	-1.280
10	1012	-.331	.132	.064	-.970
10	1013	-.272	.101	.102	-.780
10	1014	-.334	.102	.014	-.656
10	1015	-.322	.103	-.023	-.789
10	1016	-.306	.103	.034	-.767
10	1017	-.074	.127	.411	-.528
10	1018	.301	.158	.948	-.139
10	1019	-.265	.111	.070	-.681
10	1020	-.302	.104	.002	-.702
10	1021	-.228	.100	.090	-.560
10	1022	.027	.129	.529	-.340
10	1023	-.247	.102	.105	-.603
10	1024	-.251	.094	.121	-.569
10	1101	-.426	.138	.017	-.997
10	1102	-.334	.144	.242	-1.039
10	1103	.134	.162	.733	-.418
10	1104	-.207	.098	.173	-.554
10	1105	-.254	.095	.080	-.596
10	1106	-.230	.084	.053	-.520
10	1107	-.246	.098	.011	-.651
10	1108	-.224	.100	.054	-.660
10	1109	-.265	.105	.070	-.768
10	1201	-.148	.090	.231	-.500
10	1202	-.151	.090	.238	-.513
10	1203	-.113	.092	.225	-.501
10	1204	-.201	.084	.062	-.475
10	1205	-.165	.082	.087	-.423
10	1206	-.154	.082	.123	-.449
10	1207	-.185	.096	.123	-.551
10	1208	-.185	.088	.082	-.533
10	1209	-.179	.095	.080	-.584
20	101	.223	.163	.727	-.388
20	102	.162	.148	.609	-.332
20	103	.018	.133	.479	-.490
20	104	.148	.141	.661	-.377
20	105	.029	.143	.513	-.581
20	106	-.011	.117	.430	-.396
20	107	.063	.130	.634	-.462
20	108	.015	.128	.545	-.472
20	109	-.091	.126	.419	-.507
20	110	.373	.180	1.053	-.248
20	111	.465	.167	1.073	-.074
20	112	.493	.176	1.006	-.087
20	113	.462	.166	.963	-.053
20	114	.331	.169	.798	-.181
20	115	.198	.148	.712	-.267
20	116	-.026	.151	.489	-.543
20	117	.400	.166	.917	-.077
20	118	.425	.176	.981	-.119
20	119	.504	.165	1.027	-.056
20	120	.505	.166	1.030	-.070
20	121	.476	.154	.954	-.037
20	122	.404	.161	.900	-.125
20	123	.379	.147	.859	-.070
20	124	.195	.144	.775	-.266
20	125	.022	.149	.629	-.442
20	126	.292	.194	.867	-.365

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	127	.415	.174	.966	-.097
20	128	.428	.150	.991	.014
20	129	.420	.141	.938	.011
20	130	.294	.144	.836	-.109
20	131	.187	.141	.758	-.375
20	132	.005	.155	.609	-.497
20	133	.270	.168	.976	-.224
20	134	.265	.171	.939	-.250
20	135	.353	.155	.954	-.050
20	136	.357	.147	.911	-.064
20	137	.360	.137	.856	-.092
20	138	.288	.143	.806	-.172
20	139	.300	.131	.744	-.118
20	140	.198	.132	.633	-.198
20	141	.082	.138	.498	-.336
20	142	.156	.150	.725	-.303
20	143	.236	.143	.812	-.219
20	144	.262	.127	.799	-.089
20	145	.283	.116	.737	-.044
20	146	.183	.119	.710	-.156
20	147	.164	.117	.673	-.228
20	148	.074	.139	.542	-.617
20	149	.178	.131	.766	-.253
20	150	.150	.138	.722	-.302
20	151	.297	.136	.806	-.092
20	152	.311	.147	.901	-.127
20	153	.342	.142	.895	-.071
20	154	.270	.150	.843	-.172
20	155	.302	.137	.793	-.098
20	156	.221	.123	.720	-.171
20	157	.187	.129	.685	-.322
20	201	-.595	.182	.103	-1.738
20	202	-.480	.179	.195	-1.296
20	203	-.182	.133	.252	-.982
20	204	-.142	.108	.208	-.668
20	205	-.155	.106	.197	-.523
20	206	-.153	.102	.188	-.505
20	207	-.199	.101	.126	-.537
20	208	-.223	.102	.096	-.565
20	209	-.379	.184	.247	-1.036
20	210	-.365	.190	.289	-1.075
20	211	-.051	.192	.430	-.954
20	212	.012	.111	.406	-.485
20	213	-.045	.105	.326	-.408
20	214	-.093	.098	.243	-.437
20	215	-.192	.097	.115	-.511
20	216	-.230	.099	.081	-.555
20	217	-.304	.220	.403	-1.247
20	218	-.290	.224	.412	-1.085
20	219	.001	.174	.447	-.791
20	220	.051	.103	.403	-.478
20	221	-.019	.096	.309	-.311
20	222	-.080	.093	.243	-.367
20	223	-.190	.089	.106	-.529
20	224	-.227	.091	.061	-.564
20	225	-.264	.202	.365	-1.024
20	226	-.247	.208	.354	-.930
20	227	.051	.167	.562	-.662
20	228	.083	.108	.507	-.405
20	229	.012	.102	.402	-.339
20	230	-.056	.096	.302	-.383
20	231	-.181	.097	.265	-.479
20	232	-.222	.100	.205	-.526
20	233	-.156	.192	.501	-1.101
20	234	-.123	.203	.545	-.833
20	235	.076	.169	.622	-.821
20	236	.105	.115	.534	-.332
20	237	.041	.107	.501	-.334
20	238	-.026	.099	.377	-.343
20	239	-.158	.097	.153	-.490
20	240	-.213	.098	.111	-.533
20	241	-.057	.174	.393	-.673
20	242	-.030	.181	.417	-.685
20	243	.101	.125	.479	-.424
20	244	.117	.099	.475	-.211
20	245	.058	.097	.398	-.279
20	246	-.004	.093	.305	-.312
20	247	-.136	.096	.230	-.523
20	248	-.202	.100	.161	-.601
20	249	.146	.111	.612	-.405
20	250	.114	.100	.526	-.291
20	251	.029	.091	.342	-.303
20	252	.123	.150	.711	-.468
20	253	.121	.154	.721	-.536
20	254	.203	.118	.643	-.180
20	255	.180	.109	.536	-.162
20	256	.165	.107	.533	-.158
20	257	.217	.124	.777	-.170
20	258	.146	.103	.520	-.182
20	259	.112	.107	.510	-.227
20	260	.188	.125	.687	-.214
20	261	.053	.105	.461	-.277
20	262	.035	.101	.424	-.287
20	263	.104	.106	.528	-.218
20	264	-.107	.089	.215	-.445
20	265	-.202	.099	.121	-.573
20	301	-.257	.102	.051	-.643
20	302	-.251	.107	.075	-.672
20	303	-.248	.106	.069	-.552
20	304	-.233	.099	.094	-.561
20	305	-.260	.101	.100	-.583
20	306	-.248	.099	.128	-.576
20	307	-.230	.085	.056	-.498
20	308	-.232	.087	.060	-.500
20	309	-.259	.089	.057	-.542
20	310	-.236	.087	.062	-.544
20	311	-.230	.090	.085	-.531
20	312	-.233	.089	.077	-.529
20	313	-.250	.092	.050	-.548
20	314	-.244	.091	.060	-.536
20	315	-.246	.082	.007	-.572
20	316	-.227	.099	.065	-.633
20	317	-.265	.100	.041	-.677
20	318	-.261	.098	.052	-.655
20	319	-.233	.092	.040	-.542
20	320	-.246	.098	.084	-.569
20	321	-.265	.096	.045	-.606
20	322	-.233	.089	.082	-.548
20	323	-.274	.095	.044	-.592
20	324	-.230	.108	.168	-.657
20	325	-.282	.118	.149	-.693
20	326	-.271	.116	.131	-.727
20	401	-.249	.112	.128	-.614
20	402	-.303	.115	.092	-.669
20	403	-.261	.115	.125	-.766
20	404	-.254	.109	.111	-.675
20	405	-.257	.108	.142	-.626
20	406	-.333	.127	.056	-.927
20	407	-.306	.131	.070	-.887
20	408	-.250	.091	.048	-.554
20	409	-.241	.088	.054	-.528
20	410	-.291	.092	.015	-.588
20	411	-.259	.090	.024	-.539
20	412	-.255	.092	.037	-.590
20	413	-.246	.093	.041	-.595
20	414	-.311	.096	-.015	-.682
20	415	-.299	.099	-.015	-.673
20	416	-.310	.105	.165	-.684
20	417	-.224	.089	.124	-.539
20	418	-.277	.093	.089	-.601
20	419	-.242	.090	.116	-.558
20	420	-.266	.089	.004	-.519
20	421	-.272	.091	.017	-.540
20	422	-.360	.098	-.047	-.677
20	423	-.343	.100	-.053	-.680
20	424	-.240	.085	.023	-.560
20	425	-.232	.084	.010	-.548
20	426	-.282	.087	-.027	-.622
20	427	-.249	.085	.001	-.655
20	428	-.255	.093	.023	-.574

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	429	-.248	.093	.039	-.552
20	430	-.322	.100	-.018	-.636
20	431	-.324	.105	-.009	-.665
20	432	-.363	.105	-.017	-.696
20	433	-.249	.094	.115	-.593
20	434	-.304	.095	.042	-.647
20	435	-.273	.092	.070	-.588
20	436	-.287	.097	-.022	-.602
20	437	-.301	.098	-.041	-.666
20	438	-.371	.102	-.086	-.811
20	439	-.333	.099	-.052	-.762
20	440	-.249	.105	.093	-.646
20	441	-.244	.110	.100	-.705
20	442	-.269	.101	.049	-.694
20	443	-.237	.097	.077	-.565
20	444	-.274	.103	.103	-.716
20	445	-.277	.102	.036	-.705
20	446	-.362	.108	-.008	-.865
20	447	-.341	.129	-.029	-1.109
20	448	-.315	.140	.115	-1.069
20	449	-.222	.112	.145	-.649
20	450	-.229	.104	.183	-.626
20	451	-.210	.110	.246	-.543
20	452	-.250	.090	.125	-.525
20	453	-.242	.097	.070	-.585
20	454	-.272	.119	.086	-.781
20	455	-.230	.131	.182	-.809
20	456	-.458	.070	.748	-.228
20	457	-.175	.104	.336	-.527
20	458	-.239	.098	.177	-.610
20	459	-.230	.115	.272	-.686
20	460	-.216	.102	.188	-.556
20	461	-.192	.103	.251	-.547
20	501	-.377	.160	.159	-1.121
20	502	-.335	.154	.189	-1.195
20	503	-.362	.147	.136	-1.126
20	504	-.350	.146	.134	-1.211
20	505	-.356	.127	.043	-1.122
20	506	-.341	.104	.017	-.722
20	507	-.312	.111	.069	-.811
20	508	-.309	.110	.061	-.784
20	509	-.359	.121	.048	-.882
20	510	-.344	.119	.065	-.861
20	511	-.314	.105	-.024	-.793
20	512	-.301	.102	-.028	-.812
20	513	-.307	.095	-.029	-.736
20	514	-.283	.094	.021	-.703
20	515	-.273	.094	.044	-.590
20	516	-.272	.096	.051	-.606
20	517	-.386	.123	.005	-.906

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	518	-.370	.122	.016	-.873
20	519	-.337	.103	-.002	-.693
20	520	-.311	.101	.016	-.640
20	521	-.312	.102	-.004	-.635
20	522	-.283	.099	.010	-.599
20	523	-.265	.093	.083	-.602
20	524	-.262	.093	.091	-.603
20	525	-.423	.124	-.064	-.974
20	526	-.405	.123	-.044	-.960
20	527	-.364	.117	.025	-.778
20	528	-.355	.116	.018	-1.171
20	529	-.359	.108	.020	-.809
20	530	-.324	.100	.005	-.677
20	531	-.312	.102	.004	-.641
20	532	-.309	.105	.018	-.661
20	533	-.373	.106	-.046	-.732
20	534	-.360	.106	-.033	-.720
20	535	-.373	.112	-.022	-.799
20	536	-.394	.117	-.026	-1.087
20	537	-.401	.114	-.025	-1.085
20	538	-.368	.107	.017	-.825
20	539	-.340	.098	-.016	-.722
20	540	-.337	.101	-.004	-.730
20	541	-.326	.108	.044	-.714
20	542	-.291	.101	.127	-.699
20	543	-.258	.106	.119	-.739
20	544	-.270	.113	.123	-.795
20	545	-.370	.125	.037	-.944
20	546	-.418	.156	.025	-1.057
20	547	-.319	.126	.066	-1.110
20	548	-.305	.127	.095	-1.107
20	549	-.265	.108	.185	-.679
20	550	-.220	.099	.158	-.611
20	551	-.256	.138	.121	-.859
20	552	-.264	.137	.383	-.574
20	553	-.233	.098	.211	-.563
20	554	-.219	.093	.161	-.532
20	555	-.199	.084	.087	-.515
20	556	-.141	.092	.171	-.488
20	557	-.143	.142	.815	-.375
20	558	-.334	.207	.511	-1.436
20	559	-.213	.148	.265	-1.200
20	560	-.192	.147	.307	-1.067
20	601	-.082	.125	.386	-.506
20	602	.100	.158	.594	-.453
20	603	.121	.216	.769	-.681
20	604	-.086	.124	.270	-.479
20	605	.233	.168	.783	-.543
20	606	.201	.230	.964	-.584
20	607	-.073	.114	.337	-.463

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	608	.168	.153	.750	-.301
20	609	.105	.228	.907	-.722
20	610	-.122	.123	.354	-.498
20	611	.133	.154	.652	-.357
20	612	.015	.241	.806	-.728
20	613	-.151	.123	.315	-.559
20	614	-.086	.148	.605	-.698
20	615	-.012	.224	.716	-.889
20	616	-.165	.116	.197	-.697
20	617	.040	.149	.477	-.757
20	618	-.090	.201	.672	-.809
20	619	-.039	.171	.780	-.646
20	620	-.053	.112	.434	-.484
20	621	.158	.124	.726	-.289
20	622	.075	.150	.546	-.453
20	623	.168	.121	.629	-.297
20	624	-.069	.109	.290	-.500
20	625	.097	.130	.530	-.501
20	626	-.033	.177	.596	-.722
20	801	-.224	.094	.116	-.530
20	802	-.250	.094	.111	-.579
20	803	-.164	.092	.175	-.477
20	804	-.296	.177	.135	-1.176
20	805	-.133	.188	.449	-.966
20	901	-.327	.142	.259	-.885
20	902	-.230	.159	.389	-.781
20	903	-.422	.173	.078	-1.461
20	904	-.290	.180	.377	-1.009
20	905	-.404	.173	.187	-1.156
20	906	-.361	.145	.157	-1.193
20	907	-.538	.173	.059	-1.148
20	908	-.464	.159	.157	-1.070
20	909	-.527	.177	.246	-1.233
20	910	-.534	.185	.007	-1.379
20	911	-.638	.157	-.161	-1.255
20	912	-.703	.209	-.058	-1.619
20	913	-.570	.160	-.145	-1.139
20	914	-.494	.130	-.001	-1.003
20	915	-.615	.149	-.146	-1.206
20	916	-.272	.103	.127	-.634
20	917	-.254	.101	.080	-.604
20	918	-.308	.125	.069	-.845
20	919	-.647	.192	-.135	-1.358
20	920	-.376	.162	.222	-1.168
20	1001	-.215	.121	.164	-1.134
20	1002	-.263	.099	.159	-.626
20	1003	-.318	.110	.113	-.717
20	1004	-.335	.122	.352	-.758
20	1005	-.326	.123	.258	-.742
20	1006	-.343	.143	.118	-.960

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	1007	-.302	.129	.103	-1.259
20	1008	-.309	.114	.071	-.821
20	1009	-.218	.192	.276	-.953
20	1010	-.499	.186	.307	-1.224
20	1011	-.511	.263	.368	-1.454
20	1012	-.412	.186	.047	-1.570
20	1013	-.266	.132	.166	-.967
20	1014	-.365	.124	.002	-.907
20	1015	-.335	.114	.077	-.715
20	1016	-.307	.114	.070	-.757
20	1017	.009	.150	.564	-.453
20	1018	.256	.168	1.105	-.307
20	1019	-.304	.112	.038	-.764
20	1020	-.318	.108	.031	-.805
20	1021	-.239	.106	.165	-.669
20	1022	.100	.145	.671	-.300
20	1023	-.271	.106	.091	-.652
20	1024	-.267	.104	.062	-.603
20	1101	-.472	.159	.074	-1.066
20	1102	-.294	.137	.265	-.774
20	1103	.184	.144	.878	-.330
20	1104	-.194	.121	.299	-.637
20	1105	-.270	.126	.215	-.743
20	1106	-.237	.102	.225	-.628
20	1107	-.244	.097	.046	-.600
20	1108	-.217	.097	.067	-.562
20	1109	-.272	.101	.057	-.612
20	1201	-.108	.090	.215	-.395
20	1202	-.104	.092	.203	-.444
20	1203	-.074	.093	.254	-.403
20	1204	-.173	.094	.153	-.496
20	1205	-.127	.090	.185	-.427
20	1206	-.119	.091	.210	-.419
20	1207	-.159	.088	.108	-.471
20	1208	-.153	.087	.118	-.450
20	1209	-.131	.092	.163	-.422
30	101	.223	.178	.799	-.380
30	102	.124	.150	.727	-.440
30	103	-.045	.127	.544	-.558
30	104	.110	.139	.677	-.372
30	105	-.057	.146	.567	-.522
30	106	-.084	.108	.347	-.506
30	107	-.005	.129	.483	-.393
30	108	-.084	.118	.352	-.449
30	109	-.211	.114	.185	-.667
30	110	.435	.196	.999	-.180
30	111	.480	.174	1.010	-.032
30	112	.456	.173	.970	-.119
30	113	.395	.158	.890	-.118
30	114	.199	.161	.761	-.404
30	115	-.040	.133	.520	-.460
30	116	-.223	.126	.336	-.701
30	117	.480	.172	1.073	-.145
30	118	.427	.188	1.047	-.188
30	119	.482	.171	1.024	.034
30	120	.436	.159	1.019	-.036
30	121	.381	.144	.902	-.030
30	122	.270	.155	.842	-.176
30	123	.249	.135	.788	-.131
30	124	.026	.129	.406	-.404
30	125	-.164	.131	.182	-.635
30	126	.355	.180	.981	-.211
30	127	.439	.162	.959	-.085
30	128	.402	.146	.938	-.004
30	129	.366	.136	.836	-.006
30	130	.180	.143	.722	-.206
30	131	.053	.134	.545	-.426
30	132	-.166	.147	.418	-.690
30	133	.355	.160	1.086	-.094
30	134	.299	.165	1.038	-.170
30	135	.378	.145	1.032	-.028
30	136	.341	.142	.974	-.082
30	137	.313	.129	.868	-.108
30	138	.204	.138	.783	-.258
30	139	.213	.122	.668	-.188
30	140	.081	.119	.631	-.298
30	141	-.069	.134	.455	-.497
30	142	.234	.153	.742	-.194
30	143	.289	.141	.787	-.116
30	144	.290	.144	1.135	-.085
30	145	.292	.135	1.072	-.043
30	146	.143	.140	.849	-.204
30	147	.100	.126	.536	-.342
30	148	-.055	.146	.615	-.540
30	149	.231	.136	.833	-.145
30	150	.161	.147	.781	-.242
30	151	.289	.138	.797	-.069
30	152	.292	.129	.769	-.057
30	153	.308	.124	.757	-.049
30	154	.205	.136	.695	-.212
30	155	.245	.119	.689	-.122
30	156	.124	.106	.523	-.187
30	157	.075	.120	.534	-.304
30	201	-.768	.192	-.189	-1.716
30	202	-.617	.174	-.078	-1.386
30	203	-.372	.171	.135	-1.070
30	204	-.205	.118	.195	-.766
30	205	-.182	.105	.188	-.721
30	206	-.153	.099	.210	-.547
30	207	-.184	.095	.162	-.553
30	208	-.200	.096	.138	-.578
30	209	-.587	.159	.110	-1.145
30	210	-.570	.160	.105	-1.145
30	211	-.357	.227	.239	-.998
30	212	-.109	.139	.284	-1.071
30	213	-.113	.104	.252	-.620
30	214	-.132	.096	.216	-.654
30	215	-.192	.093	.082	-.560
30	216	-.213	.096	.060	-.589
30	217	-.517	.168	.003	-1.228
30	218	-.501	.168	.039	-1.247
30	219	-.323	.235	.284	-1.323
30	220	-.093	.150	.268	-.876
30	221	-.095	.096	.225	-.760
30	222	-.120	.090	.163	-.510
30	223	-.189	.093	.100	-.500
30	224	-.211	.095	.074	-.507
30	225	-.462	.189	.130	-1.133
30	226	-.443	.190	.193	-1.162
30	227	-.258	.223	.263	-.997
30	228	-.049	.136	.358	-.756
30	229	-.063	.099	.301	-.514
30	230	-.093	.092	.274	-.438
30	231	-.173	.089	.130	-.496
30	232	-.199	.091	.115	-.550
30	233	-.330	.177	.381	-1.015
30	234	-.286	.179	.231	-.866
30	235	-.115	.192	.331	-.871
30	236	.017	.105	.315	-.563
30	237	-.018	.093	.282	-.416
30	238	-.054	.089	.238	-.392
30	239	-.134	.090	.180	-.442
30	240	-.169	.093	.165	-.482
30	241	-.204	.155	.321	-.969
30	242	-.182	.159	.341	-.837
30	243	-.020	.149	.405	-.672
30	244	.054	.102	.366	-.368
30	245	.015	.096	.327	-.319
30	246	-.019	.090	.281	-.348
30	247	-.118	.096	.199	-.466
30	248	-.160	.099	.159	-.498
30	249	.056	.107	.433	-.359
30	250	.054	.097	.391	-.280
30	251	.007	.084	.305	-.251
30	252	-.033	.157	.428	-.838
30	253	-.050	.167	.422	-.873
30	254	.104	.119	.454	-.400
30	255	.106	.102	.488	-.217
30	256	.095	.099	.434	-.221
30	257	.149	.121	.642	-.221

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	258	.088	.097	.429	-.245
30	259	.069	.085	.394	-.226
30	260	.149	.106	.618	-.184
30	261	.021	.085	.354	-.281
30	262	.013	.084	.334	-.268
30	263	.071	.104	.542	-.271
30	264	-.087	.089	.191	-.376
30	265	-.165	.097	.134	-.485
30	301	-.238	.110	.114	-.683
30	302	-.221	.113	.124	-.695
30	303	-.220	.105	.161	-.636
30	304	-.215	.099	.079	-.558
30	305	-.250	.101	.059	-.603
30	306	-.233	.099	.072	-.593
30	307	-.220	.094	.087	-.528
30	308	-.222	.096	.084	-.546
30	309	-.264	.100	.047	-.637
30	310	-.225	.096	.075	-.547
30	311	-.238	.095	.138	-.566
30	312	-.244	.096	.138	-.610
30	313	-.249	.101	.146	-.611
30	314	-.236	.098	.163	-.580
30	315	-.218	.093	.063	-.544
30	316	-.190	.102	.096	-.535
30	317	-.235	.105	.061	-.584
30	318	-.220	.104	.082	-.558
30	319	-.207	.092	.100	-.516
30	320	-.219	.096	.116	-.541
30	321	-.249	.097	.075	-.594
30	322	-.204	.091	.103	-.540
30	323	-.248	.097	.103	-.612
30	324	-.172	.095	.164	-.574
30	325	-.234	.103	.144	-.652
30	326	-.214	.104	.148	-.595
30	401	-.201	.110	.151	-.670
30	402	-.267	.115	.100	-1.175
30	403	-.223	.114	.169	-.932
30	404	-.236	.112	.273	-.650
30	405	-.243	.118	.256	-.760
30	406	-.336	.143	.127	-1.104
30	407	-.291	.142	.149	-1.030
30	408	-.216	.097	.164	-.572
30	409	-.207	.095	.169	-.571
30	410	-.269	.100	.134	-.619
30	411	-.229	.099	.169	-.580
30	412	-.239	.103	.063	-.616
30	413	-.229	.105	.089	-.598
30	414	-.309	.113	.037	-.729
30	415	-.288	.124	.070	-.800
30	416	-.306	.138	.119	-.845
30	417	-.209	.095	.130	-.505
30	418	-.276	.100	.099	-.581
30	419	-.239	.099	.108	-.556
30	420	-.251	.098	.143	-.609
30	421	-.260	.104	.147	-.640
30	422	-.373	.122	.128	-.922
30	423	-.352	.127	.191	-.856
30	424	-.232	.095	.067	-.595
30	425	-.225	.094	.069	-.578
30	426	-.291	.098	.020	-.660
30	427	-.259	.098	.048	-.610
30	428	-.277	.103	.014	-.636
30	429	-.268	.102	.010	-.629
30	430	-.365	.116	-.039	-.810
30	431	-.355	.130	.001	-.882
30	432	-.361	.117	.039	-.827
30	433	-.202	.093	.089	-.530
30	434	-.275	.094	-.017	-.615
30	435	-.245	.093	.042	-.595
30	436	-.279	.105	.093	-.666
30	437	-.301	.112	.079	-.697
30	438	-.386	.122	-.003	-.841
30	439	-.335	.118	.019	-.786
30	440	-.191	.089	.115	-.607
30	441	-.180	.090	.147	-.586
30	442	-.233	.091	.110	-.622
30	443	-.190	.091	.112	-.565
30	444	-.221	.103	.152	-.655
30	445	-.223	.104	.107	-.656
30	446	-.341	.127	.051	-.875
30	447	-.374	.166	.070	-1.119
30	448	-.362	.147	.025	-1.008
30	449	-.170	.103	.108	-.667
30	450	-.233	.100	.131	-.605
30	451	-.204	.094	.084	-.592
30	452	-.207	.091	.096	-.520
30	453	-.199	.089	.083	-.528
30	454	-.238	.104	.096	-.582
30	455	-.181	.099	.147	-.626
30	456	.466	.063	.704	.239
30	457	-.166	.090	.199	-.448
30	458	-.240	.089	.075	-.557
30	459	-.210	.091	.179	-.520
30	460	-.192	.084	.106	-.472
30	461	-.174	.085	.126	-.460
30	501	-.374	.181	.164	-1.563
30	502	-.324	.173	.224	-1.232
30	503	-.370	.196	.306	-1.337
30	504	-.420	.207	.348	-1.722
30	505	-.467	.179	.072	-1.254
30	506	-.433	.144	.140	-1.049
30	507	-.415	.135	.063	-.984
30	508	-.406	.133	.056	-.974
30	509	-.386	.160	.101	-1.070
30	510	-.358	.151	.106	-.969
30	511	-.365	.147	.159	-1.062
30	512	-.410	.158	.074	-1.262
30	513	-.435	.152	-.005	-1.336
30	514	-.371	.135	.029	-.921
30	515	-.355	.131	.066	-.900
30	516	-.348	.132	.092	-.875
30	517	-.454	.166	.086	-1.064
30	518	-.423	.159	.123	-1.040
30	519	-.373	.130	.063	-.845
30	520	-.381	.134	.032	-1.120
30	521	-.407	.139	.028	-1.080
30	522	-.353	.121	.055	-1.086
30	523	-.344	.117	.025	-.771
30	524	-.336	.117	.044	-.761
30	525	-.459	.155	.053	-1.015
30	526	-.432	.150	.059	-.953
30	527	-.412	.139	.085	-1.032
30	528	-.442	.144	.060	-1.265
30	529	-.471	.136	.001	-1.080
30	530	-.423	.121	-.015	-.910
30	531	-.398	.120	-.024	-.931
30	532	-.391	.123	-.017	-.940
30	533	-.372	.126	.011	-1.050
30	534	-.357	.128	.036	-.967
30	535	-.423	.138	.137	-.918
30	536	-.468	.141	.200	-1.180
30	537	-.513	.146	-.125	-1.227
30	538	-.472	.150	-.093	-1.807
30	539	-.453	.132	-.051	-.990
30	540	-.448	.134	-.050	-.991
30	541	-.378	.126	-.008	-.875
30	542	-.311	.115	.096	-.745
30	543	-.240	.111	.103	-.782
30	544	-.224	.125	.207	-.695
30	545	-.382	.180	.239	-1.041
30	546	-.601	.247	.156	-1.688
30	547	-.492	.211	.071	-1.679
30	548	-.463	.204	.103	-1.534
30	549	-.268	.106	.117	-.689
30	550	-.232	.114	.168	-.849
30	551	-.279	.141	.119	-.942
30	552	.029	.139	.582	-.695
30	553	-.236	.097	.077	-.629
30	554	-.210	.094	.087	-.584
30	555	-.177	.091	.161	-.513

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	556	-.136	.098	.235	-.507
30	557	-.150	.139	.678	-.433
30	558	-.263	.299	.660	-1.260
30	559	-.242	.171	.273	-1.116
30	560	-.214	.165	.311	-.946
30	601	.012	.147	.571	-.454
30	602	.203	.171	.766	-.476
30	603	.285	.192	.858	-.584
30	604	.007	.143	.460	-.541
30	605	.330	.168	.885	-.198
30	606	.407	.193	.997	-.182
30	607	.005	.127	.557	-.421
30	608	.275	.155	.805	-.179
30	609	.336	.192	.913	-.390
30	610	-.052	.130	.522	-.416
30	611	.249	.149	.819	-.273
30	612	.255	.198	.899	-.451
30	613	-.083	.131	.420	-.514
30	614	.205	.148	.685	-.428
30	615	.216	.211	.808	-.710
30	616	-.133	.129	.336	-.568
30	617	.140	.132	.610	-.346
30	618	.139	.190	.832	-.615
30	619	.003	.137	.567	-.371
30	620	.007	.128	.532	-.444
30	621	.191	.136	.800	-.235
30	622	.148	.125	.802	-.352
30	623	.193	.128	.766	-.192
30	624	-.052	.113	.372	-.417
30	625	.167	.119	.662	-.209
30	626	.107	.159	.677	-.544
30	801	-.187	.094	.164	-.493
30	802	-.227	.097	.154	-.551
30	803	-.132	.092	.219	-.454
30	804	-.227	.162	.293	-.939
30	805	-.215	.161	.368	-.865
30	901	-.247	.153	.364	-.800
30	902	-.144	.149	.560	-.762
30	903	-.355	.164	.242	-1.341
30	904	-.231	.164	.407	-1.003
30	905	-.328	.166	.155	-1.119
30	906	-.301	.145	.180	-.972
30	907	-.549	.170	.162	-1.182
30	908	-.461	.150	.067	-1.108
30	909	-.496	.171	.272	-1.116
30	910	-.503	.189	.071	-1.174
30	911	-.668	.150	-.006	-1.168
30	912	-.673	.178	-.037	-1.384
30	913	-.627	.157	-.086	-1.169
30	914	-.532	.137	-.101	-1.125
30	915	-.699	.159	-.179	-1.436
30	916	-.277	.100	.052	-.739
30	917	-.239	.109	.163	-.687
30	918	-.282	.119	.181	-.708
30	919	-.545	.140	-.095	-1.280
30	920	-.310	.132	.084	-.960
30	1001	-.234	.172	.196	-1.369
30	1002	-.238	.100	.144	-.556
30	1003	-.324	.100	.043	-.694
30	1004	-.343	.103	.045	-.704
30	1005	-.329	.107	.057	-.789
30	1006	-.330	.132	.120	-1.135
30	1007	-.236	.116	.186	-.768
30	1008	-.239	.111	.166	-.650
30	1009	-.135	.154	.358	-.841
30	1010	-.475	.168	.123	-1.215
30	1011	-.616	.197	.191	-1.328
30	1012	-.528	.174	-.001	-1.115
30	1013	-.255	.151	.258	-.829
30	1014	-.372	.119	-.014	-.869
30	1015	-.313	.121	.056	-.745
30	1016	-.278	.124	.148	-.790
30	1017	.107	.159	.824	-.377
30	1018	.187	.153	.660	-.323
30	1019	-.282	.110	.125	-.801
30	1020	-.289	.108	.084	-.701
30	1021	-.220	.115	.317	-.639
30	1022	.156	.134	.753	-.224
30	1023	-.260	.102	.104	-.701
30	1024	-.216	.102	.206	-.635
30	1101	-.327	.139	.059	-1.093
30	1102	-.248	.127	.176	-.850
30	1103	.200	.129	.729	-.163
30	1104	-.154	.131	.388	-.597
30	1105	-.267	.124	.213	-.759
30	1106	-.211	.104	.145	-.537
30	1107	-.218	.102	.176	-.561
30	1108	-.189	.102	.217	-.497
30	1109	-.256	.106	.174	-.627
30	1201	-.026	.092	.319	-.329
30	1202	-.013	.093	.323	-.349
30	1203	-.006	.087	.316	-.291
30	1204	-.164	.087	.122	-.450
30	1205	-.108	.082	.156	-.372
30	1206	-.091	.090	.208	-.427
30	1207	-.123	.089	.228	-.425
30	1208	-.124	.083	.130	-.444
30	1209	-.092	.089	.193	-.408
40	101	.169	.155	.789	-.467
40	102	.084	.134	.536	-.309
40	103	-.156	.125	.333	-.650
40	104	.084	.124	.529	-.311
40	105	-.116	.133	.324	-.583
40	106	-.139	.105	.316	-.539
40	107	-.051	.114	.310	-.457
40	108	-.128	.105	.278	-.504
40	109	-.257	.101	.109	-.603
40	110	.438	.195	1.070	-.167
40	111	.460	.165	.994	-.020
40	112	.364	.139	.804	-.143
40	113	.293	.125	.680	-.135
40	114	.054	.132	.529	-.326
40	115	-.077	.111	.426	-.485
40	116	-.315	.111	.037	-.683
40	117	.480	.154	1.162	.037
40	118	.374	.166	1.103	-.064
40	119	.431	.148	1.066	.051
40	120	.371	.136	.896	-.072
40	121	.299	.121	.726	-.098
40	122	.157	.133	.632	-.292
40	123	.144	.112	.555	-.260
40	124	-.099	.107	.237	-.495
40	125	-.261	.111	.089	-.657
40	126	.363	.175	.898	-.146
40	127	.412	.149	.899	-.020
40	128	.348	.137	.869	-.088
40	129	.286	.122	.718	-.119
40	130	.040	.126	.493	-.365
40	131	-.092	.112	.299	-.479
40	132	-.317	.132	.288	-.744
40	133	.419	.148	.954	.016
40	134	.309	.153	.905	-.155
40	135	.380	.137	.910	-.047
40	136	.315	.130	.707	-.088
40	137	.265	.118	.675	-.087
40	138	.125	.130	.619	-.254
40	139	.135	.114	.640	-.225
40	140	-.048	.118	.335	-.439
40	141	-.200	.133	.243	-.660
40	142	.221	.145	.721	-.300
40	143	.262	.129	.687	-.205
40	144	.220	.119	.689	-.119
40	145	.208	.107	.649	-.104
40	146	.014	.115	.438	-.335
40	147	-.018	.109	.364	-.440
40	148	-.186	.154	.296	-.841
40	149	.252	.121	.712	-.117
40	150	.146	.137	.684	-.257
40	151	.266	.129	.793	-.109
40	152	.239	.126	.863	-.139

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	153	.237	.113	.735	-.133
40	154	.100	.127	.636	-.319
40	155	.150	.109	.573	-.222
40	156	.038	.113	.375	-.341
40	157	-.023	.129	.333	-.546
40	201	-.827	.184	-.329	-1.692
40	202	-.645	.165	-.203	-1.388
40	203	-.488	.165	.084	-1.118
40	204	-.263	.150	.194	-.952
40	205	-.179	.120	.205	-.790
40	206	-.127	.105	.262	-.943
40	207	-.146	.100	.208	-.647
40	208	-.153	.098	.190	-.528
40	209	-.576	.146	-.139	-1.130
40	210	-.553	.144	-.124	-1.105
40	211	-.519	.174	.095	-1.185
40	212	-.302	.190	.327	-1.050
40	213	-.181	.143	.351	-.737
40	214	-.128	.109	.262	-.601
40	215	-.158	.098	.197	-.592
40	216	-.165	.097	.203	-.603
40	217	-.536	.153	.045	-1.227
40	218	-.514	.152	.059	-1.190
40	219	-.522	.182	.120	-1.325
40	220	-.307	.200	.225	-1.109
40	221	-.177	.149	.221	-.853
40	222	-.120	.111	.265	-.748
40	223	-.140	.096	.283	-.617
40	224	-.145	.095	.236	-.754
40	225	-.525	.178	-.021	-1.213
40	226	-.503	.177	.010	-1.178
40	227	-.430	.209	.147	-1.074
40	228	-.170	.181	.329	-1.099
40	229	-.105	.121	.306	-.799
40	230	-.088	.098	.267	-.643
40	231	-.134	.096	.180	-.631
40	232	-.144	.095	.184	-.487
40	233	-.452	.181	.074	-1.287
40	234	-.385	.155	.095	-1.031
40	235	-.344	.214	.196	-1.293
40	236	-.112	.166	.304	-.952
40	237	-.059	.112	.365	-.564
40	238	-.051	.100	.388	-.493
40	239	-.110	.092	.194	-.468
40	240	-.130	.093	.162	-.488
40	241	-.347	.175	.124	-1.192
40	242	-.324	.177	.255	-1.157
40	243	-.195	.179	.275	-.959
40	244	-.035	.133	.357	-.839
40	245	-.017	.097	.364	-.440
40	246	-.020	.088	.309	-.414
40	247	-.092	.091	.222	-.436
40	248	-.119	.091	.211	-.419
40	249	-.020	.132	.326	-1.106
40	250	.023	.095	.364	-.342
40	251	.002	.091	.291	-.288
40	252	-.168	.170	.297	-.846
40	253	-.197	.180	.322	-.912
40	254	-.009	.144	.425	-.577
40	255	.039	.118	.425	-.608
40	256	.039	.107	.426	-.334
40	257	.083	.133	.681	-.394
40	258	.058	.100	.416	-.278
40	259	.035	.088	.307	-.290
40	260	.105	.104	.482	-.257
40	261	.004	.088	.272	-.329
40	262	.006	.088	.296	-.339
40	263	.045	.103	.552	-.315
40	264	-.066	.087	.293	-.389
40	265	-.127	.090	.212	-.520
40	301	-.199	.106	.126	-.622
40	302	-.174	.104	.143	-.593
40	303	-.171	.100	.161	-.643
40	304	-.161	.103	.237	-.848
40	305	-.204	.104	.136	-.590
40	306	-.182	.102	.192	-.579
40	307	-.151	.097	.187	-.645
40	308	-.150	.097	.154	-.583
40	309	-.199	.100	.121	-.581
40	310	-.158	.097	.194	-.496
40	311	-.153	.098	.261	-.503
40	312	-.158	.097	.180	-.599
40	313	-.183	.098	.244	-.541
40	314	-.159	.095	.209	-.511
40	315	-.168	.091	.160	-.497
40	316	-.131	.094	.200	-.469
40	317	-.180	.096	.165	-.522
40	318	-.158	.094	.181	-.491
40	319	-.160	.087	.156	-.452
40	320	-.167	.090	.137	-.469
40	321	-.219	.092	.085	-.530
40	322	-.157	.087	.143	-.438
40	323	-.196	.094	.099	-.498
40	324	-.126	.090	.167	-.430
40	325	-.200	.097	.121	-.525
40	326	-.160	.095	.143	-.497
40	401	-.163	.107	.159	-.563
40	402	-.242	.112	.117	-.683
40	403	-.187	.110	.197	-.586
40	404	-.202	.120	.161	-.940
40	405	-.209	.122	.207	-.837
40	406	-.314	.138	.152	-.954
40	407	-.251	.129	.157	-.874
40	408	-.181	.094	.105	-.538
40	409	-.169	.092	.091	-.506
40	410	-.245	.099	.036	-.619
40	411	-.196	.100	.073	-.585
40	412	-.219	.113	.209	-.797
40	413	-.207	.117	.247	-.659
40	414	-.308	.135	.204	-.833
40	415	-.273	.141	.186	-1.141
40	416	-.268	.143	.102	-.904
40	417	-.149	.096	.201	-.533
40	418	-.230	.101	.144	-.594
40	419	-.182	.101	.127	-.547
40	420	-.187	.102	.151	-.681
40	421	-.187	.112	.164	-.698
40	422	-.297	.130	.121	-.955
40	423	-.255	.132	.127	-.926
40	424	-.166	.097	.152	-.541
40	425	-.153	.095	.181	-.558
40	426	-.230	.100	.124	-.676
40	427	-.183	.098	.137	-.633
40	428	-.199	.106	.131	-.589
40	429	-.185	.106	.165	-.627
40	430	-.284	.123	.141	-.914
40	431	-.249	.133	.180	-.902
40	432	-.241	.139	.186	-.856
40	433	-.149	.093	.207	-.551
40	434	-.233	.096	.150	-.644
40	435	-.191	.094	.132	-.583
40	436	-.205	.103	.101	-.788
40	437	-.198	.105	.139	-.641
40	438	-.287	.116	.093	-.897
40	439	-.225	.112	.077	-.741
40	440	-.142	.089	.180	-.445
40	441	-.128	.089	.189	-.428
40	442	-.199	.092	.126	-.534
40	443	-.144	.088	.171	-.478
40	444	-.152	.097	.146	-.588
40	445	-.152	.096	.134	-.498
40	446	-.273	.115	.083	-.819
40	447	-.283	.136	.115	-1.073
40	448	-.266	.123	.061	-.870
40	449	-.111	.091	.139	-.495
40	450	-.194	.092	.083	-.541
40	451	-.154	.088	.106	-.499
40	452	-.156	.086	.117	-.448
40	453	-.149	.084	.176	-.500
40	454	-.194	.095	.080	-.518

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	455	-.132	.089	.185	-.558
40	456	.511	.059	.705	.303
40	457	-.130	.081	.153	-.429
40	458	-.214	.084	.067	-.518
40	459	-.167	.083	.137	-.444
40	460	-.155	.086	.159	-.439
40	461	-.140	.085	.156	-.428
40	501	-.323	.168	.174	-1.994
40	502	-.252	.163	.204	-1.460
40	503	-.273	.181	.180	-1.141
40	504	-.350	.212	.215	-1.243
40	505	-.344	.215	.210	-1.815
40	506	-.602	.167	-.020	-1.342
40	507	-.535	.147	-.016	-1.170
40	508	-.522	.145	-.018	-1.097
40	509	-.262	.140	.170	-.870
40	510	-.221	.142	.347	-.792
40	511	-.263	.174	.358	-1.043
40	512	-.371	.196	.275	-1.139
40	513	-.563	.193	.237	-1.267
40	514	-.552	.188	.127	-1.454
40	515	-.504	.148	-.067	-1.130
40	516	-.493	.149	-.055	-1.118
40	517	-.312	.168	.182	-.994
40	518	-.278	.163	.222	-.975
40	519	-.300	.168	.280	-.881
40	520	-.400	.185	.316	-1.138
40	521	-.529	.181	.119	-1.435
40	522	-.474	.158	.013	-1.564
40	523	-.439	.139	.075	-1.043
40	524	-.429	.138	.056	-.948
40	525	-.296	.167	.196	-1.050
40	526	-.257	.164	.232	-1.009
40	527	-.293	.174	.239	-1.022
40	528	-.397	.196	.327	-1.123
40	529	-.546	.203	.177	-1.387
40	530	-.539	.187	-.060	-1.541
40	531	-.462	.164	.013	-1.416
40	532	-.452	.164	.022	-1.373
40	533	-.253	.116	.102	-.763
40	534	-.217	.119	.198	-.696
40	535	-.242	.156	.292	-.925
40	536	-.319	.193	.327	-1.106
40	537	-.531	.240	.167	-1.492
40	538	-.628	.262	.222	-2.409
40	539	-.566	.201	-.036	-1.509
40	540	-.549	.198	-.010	-1.476
40	541	-.292	.112	.052	-.756
40	542	-.233	.102	.109	-.614
40	543	-.179	.102	.125	-.639
40	544	-.143	.103	.203	-.572
40	545	-.154	.146	.401	-1.033
40	546	-.443	.344	.519	-1.887
40	547	-.590	.266	.169	-1.976
40	548	-.554	.250	.099	-1.901
40	549	-.214	.096	.130	-.575
40	550	-.178	.105	.161	-.672
40	551	-.224	.123	.209	-.909
40	552	.041	.129	.710	-.457
40	553	-.186	.099	.130	-.545
40	554	-.155	.095	.151	-.501
40	555	-.139	.085	.186	-.392
40	556	-.112	.090	.241	-.422
40	557	.101	.112	.533	-.289
40	558	-.020	.230	.538	-1.199
40	559	-.113	.210	.429	-1.604
40	560	-.096	.189	.440	-1.122
40	601	.106	.154	.766	-.455
40	602	.296	.164	1.018	-.236
40	603	.343	.166	1.023	-.193
40	604	.073	.152	.694	-.434
40	605	.456	.170	1.043	-.151
40	606	.502	.173	1.079	-.130
40	607	.082	.140	.580	-.352
40	608	.378	.163	1.019	-.081
40	609	.459	.167	1.087	-.078
40	610	.041	.159	.581	-.559
40	611	.357	.163	.903	-.179
40	612	.394	.171	.988	-.360
40	613	-.001	.158	.509	-.616
40	614	.316	.152	.929	-.158
40	615	.374	.164	.988	-.306
40	616	-.058	.155	.675	-.648
40	617	.234	.139	.830	-.175
40	618	.234	.142	.845	-.349
40	619	.009	.126	.779	-.375
40	620	.006	.125	.536	-.392
40	621	.161	.120	.708	-.198
40	622	.140	.115	.618	-.210
40	623	.141	.121	.645	-.245
40	624	.000	.120	.419	-.439
40	625	.195	.116	.746	-.141
40	626	.185	.128	.753	-.367
40	801	-.140	.085	.173	-.427
40	802	-.199	.089	.121	-.484
40	803	-.094	.083	.241	-.370
40	804	-.140	.125	.245	-.758
40	805	-.177	.125	.207	-.707
40	901	-.116	.141	.412	-.733
40	902	-.072	.132	.703	-.548
40	903	-.232	.155	.374	-.988
40	904	-.122	.162	.542	-.796
40	905	-.202	.138	.272	-.830
40	906	-.165	.133	.344	-.662
40	907	-.468	.171	.028	-1.267
40	908	-.377	.153	.162	-1.013
40	909	-.451	.161	.249	-1.133
40	910	-.426	.184	.209	-1.333
40	911	-.671	.156	-.081	-1.192
40	912	-.630	.153	-.128	-1.251
40	913	-.626	.154	-.191	-1.249
40	914	-.487	.133	-.083	-.993
40	915	-.665	.158	-.205	-1.327
40	916	-.213	.093	.098	-.558
40	917	-.185	.095	.191	-.542
40	918	-.212	.105	.162	-.563
40	919	-.495	.133	-.091	-1.058
40	920	-.254	.114	.121	-.760
40	1001	-.326	.220	.117	-1.586
40	1002	-.185	.093	.107	-.503
40	1003	-.258	.117	.104	-.801
40	1004	-.273	.118	.093	-.749
40	1005	-.267	.112	.121	-.696
40	1006	-.231	.107	.124	-.779
40	1007	-.166	.113	.229	-.644
40	1008	-.194	.111	.199	-.618
40	1009	-.125	.153	.378	-1.192
40	1010	-.441	.174	.271	-1.249
40	1011	-.518	.167	.111	-1.272
40	1012	-.415	.147	.043	-1.116
40	1013	-.256	.130	.231	-.729
40	1014	-.278	.101	.054	-.625
40	1015	-.242	.098	.132	-.612
40	1016	-.209	.104	.241	-.539
40	1017	.208	.164	.976	-.279
40	1018	.129	.134	.740	-.236
40	1019	-.205	.100	.113	-.665
40	1020	-.222	.094	.055	-.518
40	1021	-.166	.105	.262	-.559
40	1022	.211	.133	.689	-.201
40	1023	-.196	.103	.172	-.510
40	1024	-.152	.098	.242	-.440
40	1101	-.217	.119	.224	-.748
40	1102	-.164	.117	.238	-.647
40	1103	.164	.116	.681	-.188
40	1104	-.091	.122	.384	-.487
40	1105	-.238	.110	.194	-.601
40	1106	-.170	.091	.157	-.448
40	1107	-.161	.089	.191	-.608
40	1108	-.127	.089	.180	-.618

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	1109	-.203	.095	.158	-.651
40	1201	-.015	.091	.278	-.305
40	1202	.003	.091	.307	-.282
40	1203	.008	.089	.319	-.317
40	1204	-.135	.093	.206	-.468
40	1205	-.080	.088	.240	-.402
40	1206	-.089	.082	.207	-.345
40	1207	-.090	.085	.195	-.435
40	1208	-.089	.079	.198	-.353
40	1209	-.074	.084	.240	-.348
50	101	.071	.151	.564	-.561
50	102	.001	.117	.482	-.528
50	103	-.158	.109	.413	-.543
50	104	.005	.111	.451	-.490
50	105	-.042	.105	.272	-.568
50	106	-.108	.097	.226	-.434
50	107	-.074	.097	.251	-.374
50	108	-.171	.092	.135	-.472
50	109	-.286	.093	.032	-.666
50	110	.306	.173	.849	-.469
50	111	.321	.134	.767	-.284
50	112	.251	.139	.738	-.190
50	113	.167	.126	.638	-.221
50	114	.043	.115	.484	-.320
50	115	-.131	.102	.260	-.429
50	116	-.312	.107	.179	-.662
50	117	.348	.177	.917	-.265
50	118	.338	.146	.833	-.124
50	119	.340	.139	.832	-.037
50	120	.285	.142	.815	-.178
50	121	.191	.128	.681	-.213
50	122	.147	.124	.604	-.247
50	123	.064	.115	.497	-.293
50	124	-.144	.106	.220	-.550
50	125	-.278	.106	.043	-.643
50	126	.310	.172	.892	-.211
50	127	.322	.143	.839	-.083
50	128	.259	.130	.704	-.128
50	129	.171	.115	.574	-.187
50	130	.032	.103	.399	-.295
50	131	-.161	.098	.217	-.488
50	132	-.306	.105	.070	-.793
50	133	.264	.164	.805	-.491
50	134	.246	.137	.692	-.514
50	135	.257	.129	.709	-.412
50	136	.197	.127	.750	-.134
50	137	.128	.117	.656	-.206
50	138	.089	.114	.596	-.241
50	139	.023	.109	.517	-.342
50	140	-.165	.110	.249	-.540
50	141	-.310	.122	.178	-.777
50	142	.162	.142	.633	-.426
50	143	.183	.113	.579	-.346
50	144	.150	.114	.551	-.309
50	145	.102	.106	.489	-.234
50	146	.000	.101	.479	-.326
50	147	-.142	.107	.308	-.481
50	148	-.303	.134	.125	-.937
50	149	.166	.126	.597	-.236
50	150	.153	.119	.637	-.219
50	151	.179	.116	.623	-.164
50	152	.150	.116	.556	-.223
50	153	.120	.107	.511	-.235
50	154	.083	.105	.436	-.261
50	155	.047	.099	.376	-.308
50	156	-.094	.110	.283	-.522
50	157	-.198	.135	.198	-.669
50	201	-.525	.142	-.099	-1.289
50	202	-.509	.142	-.032	-1.301
50	203	-.489	.151	.006	-1.277
50	204	-.384	.163	.137	-1.047
50	205	-.307	.182	.243	-1.291
50	206	-.213	.160	.204	-1.048
50	207	-.185	.129	.186	-.771
50	208	-.174	.123	.214	-.807
50	209	-.468	.124	-.123	-.981
50	210	-.446	.123	-.114	-.954
50	211	-.465	.135	-.045	-.994
50	212	-.414	.141	.062	-.995
50	213	-.319	.149	.164	-.876
50	214	-.195	.129	.204	-.692
50	215	-.175	.116	.311	-.632
50	216	-.166	.115	.276	-.720
50	217	-.421	.129	-.054	-.913
50	218	-.397	.126	-.046	-.870
50	219	-.415	.118	.099	-.884
50	220	-.403	.137	.101	-1.148
50	221	-.361	.155	.230	-.959
50	222	-.234	.152	.297	-.836
50	223	-.209	.136	.245	-.785
50	224	-.204	.140	.210	-.893
50	225	-.458	.126	-.044	-.874
50	226	-.432	.125	-.024	-.830
50	227	-.446	.139	-.038	-1.307
50	228	-.398	.145	.069	-.934
50	229	-.316	.164	.170	-.960
50	230	-.197	.150	.283	-.765
50	231	-.173	.133	.231	-.765
50	232	-.166	.127	.224	-.718
50	233	-.488	.160	-.059	-1.128
50	234	-.410	.152	-.025	-1.114
50	235	-.460	.163	.049	-1.392
50	236	-.326	.183	.248	-1.019
50	237	-.201	.179	.300	-1.137
50	238	-.109	.136	.285	-.803
50	239	-.119	.105	.235	-.664
50	240	-.125	.100	.211	-.676
50	241	-.419	.183	.023	-1.353
50	242	-.399	.182	.040	-1.357
50	243	-.374	.188	.141	-1.164
50	244	-.173	.183	.303	-.909
50	245	-.069	.128	.313	-.752
50	246	-.028	.100	.341	-.496
50	247	-.071	.091	.243	-.397
50	248	-.086	.090	.230	-.388
50	249	-.131	.149	.347	-.825
50	250	-.008	.099	.435	-.413
50	251	-.014	.094	.355	-.373
50	252	-.296	.187	.196	-1.339
50	253	-.336	.195	.171	-1.421
50	254	-.196	.161	.308	-.931
50	255	-.072	.130	.330	-1.042
50	256	-.048	.108	.302	-.566
50	257	-.032	.131	.368	-.804
50	258	.004	.093	.309	-.488
50	259	-.007	.095	.286	-.380
50	260	.036	.109	.501	-.421
50	261	-.021	.092	.353	-.372
50	262	-.008	.089	.277	-.296
50	263	.025	.101	.503	-.302
50	264	-.039	.088	.322	-.345
50	265	-.087	.090	.284	-.402
50	301	-.202	.108	.089	-.651
50	302	-.155	.100	.143	-.506
50	303	-.149	.100	.188	-.500
50	304	-.150	.113	.250	-.730
50	305	-.190	.104	.148	-.591
50	306	-.152	.097	.165	-.521
50	307	-.157	.095	.137	-.529
50	308	-.136	.088	.122	-.455
50	309	-.187	.089	.092	-.506
50	310	-.174	.108	.149	-.937
50	311	-.153	.104	.192	-.713
50	312	-.149	.097	.181	-.508
50	313	-.179	.108	.172	-.645
50	314	-.143	.100	.191	-.520
50	315	-.176	.099	.168	-.657
50	316	-.089	.094	.273	-.459
50	317	-.142	.096	.226	-.517
50	318	-.118	.094	.250	-.481

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	319	-.122	.078	.131	-.467
50	320	-.140	.081	.134	-.403
50	321	-.127	.079	.131	-.403
50	322	-.118	.078	.126	-.383
50	323	-.142	.084	.131	-.418
50	324	-.095	.084	.190	-.380
50	325	-.098	.085	.179	-.385
50	326	-.106	.085	.172	-.416
50	401	-.130	.108	.223	-.616
50	402	-.220	.113	.129	-.847
50	403	-.153	.106	.154	-.574
50	404	-.151	.106	.306	-.742
50	405	-.134	.098	.229	-.800
50	406	-.224	.105	.196	-.838
50	407	-.154	.098	.242	-.711
50	408	-.151	.088	.142	-.514
50	409	-.133	.084	.143	-.450
50	410	-.223	.092	.092	-.567
50	411	-.160	.089	.134	-.524
50	412	-.148	.094	.114	-.576
50	413	-.129	.095	.149	-.520
50	414	-.228	.106	.076	-.689
50	415	-.161	.104	.132	-.653
50	416	-.162	.094	.210	-.499
50	417	-.133	.087	.176	-.456
50	418	-.228	.093	.129	-.575
50	419	-.163	.092	.198	-.516
50	420	-.150	.092	.196	-.553
50	421	-.137	.097	.207	-.668
50	422	-.238	.107	.129	-.758
50	423	-.169	.101	.159	-.696
50	424	-.163	.098	.193	-.622
50	425	-.144	.095	.214	-.583
50	426	-.235	.101	.159	-.715
50	427	-.174	.098	.223	-.622
50	428	-.172	.099	.202	-.519
50	429	-.151	.098	.263	-.539
50	430	-.253	.111	.179	-.797
50	431	-.186	.108	.215	-.622
50	432	-.175	.097	.121	-.631
50	433	-.151	.103	.181	-.548
50	434	-.254	.104	.064	-.576
50	435	-.213	.099	.095	-.535
50	436	-.239	.099	.065	-.799
50	437	-.219	.101	.074	-.814
50	438	-.314	.106	-.002	-.783
50	439	-.233	.099	.076	-.668
50	440	-.105	.087	.257	-.401
50	441	-.090	.087	.179	-.408
50	442	-.178	.094	.115	-.512
50	443	-.125	.095	.195	-.446
50	444	-.164	.105	.237	-.557
50	445	-.164	.101	.222	-.550
50	446	-.307	.123	.143	-1.082
50	447	-.370	.161	.109	-1.239
50	448	-.381	.141	.025	-1.002
50	449	-.069	.081	.180	-.367
50	450	-.171	.088	.121	-.513
50	451	-.126	.085	.156	-.421
50	452	-.119	.083	.187	-.401
50	453	-.114	.083	.196	-.399
50	454	-.157	.087	.173	-.463
50	455	-.093	.084	.205	-.379
50	456	.537	.068	.759	.312
50	457	-.093	.089	.238	-.377
50	458	-.187	.095	.163	-.483
50	459	-.129	.093	.193	-.447
50	460	-.112	.080	.154	-.373
50	461	-.093	.077	.186	-.326
50	501	-.197	.095	.157	-.537
50	502	-.098	.089	.217	-.437
50	503	-.091	.108	.251	-.778
50	504	-.100	.132	.278	-.867
50	505	-.204	.198	.311	-1.167
50	506	-.537	.258	.209	-1.827
50	507	-.601	.180	-.080	-1.632
50	508	-.574	.171	-.093	-1.539
50	509	-.196	.106	.151	-.731
50	510	-.137	.104	.241	-.636
50	511	-.097	.117	.299	-.590
50	512	-.108	.150	.358	-.761
50	513	-.309	.242	.322	-1.254
50	514	-.495	.239	.385	-1.458
50	515	-.510	.166	.067	-1.210
50	516	-.492	.165	.010	-1.075
50	517	-.199	.114	.186	-.921
50	518	-.147	.113	.252	-.746
50	519	-.138	.129	.376	-.876
50	520	-.168	.181	.349	-.956
50	521	-.349	.248	.233	-1.242
50	522	-.481	.219	.275	-1.531
50	523	-.479	.168	.047	-1.381
50	524	-.462	.162	.048	-1.139
50	525	-.214	.100	.121	-.775
50	526	-.162	.101	.206	-.747
50	527	-.141	.130	.274	-.957
50	528	-.158	.176	.314	-1.027
50	529	-.327	.271	.379	-1.374
50	530	-.456	.265	.286	-1.993
50	531	-.481	.208	.205	-1.925
50	532	-.462	.203	.086	-1.911
50	533	-.257	.112	.085	-.771
50	534	-.192	.106	.171	-.643
50	535	-.145	.095	.175	-.562
50	536	-.106	.109	.249	-.765
50	537	-.198	.211	.378	-1.517
50	538	-.402	.327	.385	-1.793
50	539	-.489	.223	.104	-1.573
50	540	-.467	.216	.035	-1.377
50	541	-.353	.114	.000	-.849
50	542	-.252	.100	.093	-.649
50	543	-.161	.092	.161	-.488
50	544	-.109	.091	.211	-.424
50	545	-.080	.112	.434	-.617
50	546	-.134	.269	.440	-1.352
50	547	-.342	.293	.640	-1.907
50	548	-.332	.261	.687	-1.832
50	549	-.189	.105	.181	-.554
50	550	-.132	.102	.296	-.502
50	551	-.204	.112	.129	-.690
50	552	.065	.098	.513	-.316
50	553	-.161	.089	.129	-.483
50	554	-.124	.086	.161	-.436
50	555	-.107	.083	.153	-.423
50	556	-.081	.090	.213	-.484
50	557	.109	.110	.535	-.252
50	558	.102	.149	.556	-1.165
50	559	.014	.203	.523	-1.388
50	560	.018	.184	.517	-1.116
50	601	.242	.175	1.023	-.323
50	602	.330	.161	.843	-.176
50	603	.287	.165	.965	-.202
50	604	.202	.145	.670	-.337
50	605	.517	.174	1.053	-.019
50	606	.437	.176	1.065	-.115
50	607	.219	.145	.719	-.280
50	608	.454	.154	.952	-.074
50	609	.427	.162	1.015	-.138
50	610	.169	.147	.661	-.326
50	611	.407	.153	.889	-.072
50	612	.355	.160	.832	-.246
50	613	.138	.147	.618	-.418
50	614	.372	.144	.909	-.046
50	615	.344	.149	.818	-.168
50	616	.103	.151	.801	-.485
50	617	.287	.138	.777	-.064
50	618	.241	.148	.809	-.166
50	619	.049	.117	.540	-.311
50	620	.031	.130	.573	-.373
50	621	.180	.117	.679	-.148

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	622	.137	.103	.497	-.186
50	623	.144	.105	.570	-.180
50	624	.082	.119	.559	-.290
50	625	.205	.118	.662	-.133
50	626	.179	.116	.590	-.230
50	801	-.119	.082	.159	-.433
50	802	-.102	.082	.189	-.409
50	803	-.049	.080	.231	-.354
50	804	-.105	.114	.266	-.578
50	805	-.147	.120	.342	-.585
50	901	-.036	.102	.295	-.386
50	902	-.038	.113	.401	-.498
50	903	.008	.137	.602	-.430
50	904	.056	.143	.504	-.484
50	905	-.167	.119	.238	-.611
50	906	-.061	.104	.386	-.408
50	907	-.169	.126	.235	-.710
50	908	-.158	.123	.257	-.705
50	909	-.423	.158	.206	-1.097
50	910	-.356	.137	.134	-.909
50	911	-.503	.146	.043	-1.088
50	912	-.666	.151	-.222	-1.226
50	913	-.565	.141	-.126	-1.034
50	914	-.407	.136	-.006	-.956
50	915	-.446	.118	-.065	-.868
50	916	-.155	.089	.158	-.467
50	917	-.150	.090	.220	-.449
50	918	-.205	.104	.174	-.612
50	919	-.363	.123	-.006	-.841
50	920	-.216	.112	.232	-.686
50	1001	-.239	.181	.266	-1.096
50	1002	-.104	.089	.196	-.446
50	1003	-.132	.101	.253	-.570
50	1004	-.154	.102	.239	-.615
50	1005	-.105	.094	.245	-.398
50	1006	-.147	.092	.206	-.490
50	1007	-.093	.084	.206	-.384
50	1008	-.153	.089	.149	-.446
50	1009	-.016	.106	.274	-.676
50	1010	-.254	.145	.213	-.924
50	1011	-.285	.142	.211	-.898
50	1012	-.236	.121	.122	-.777
50	1013	-.086	.107	.272	-.575
50	1014	-.199	.088	.084	-.551
50	1015	-.148	.088	.156	-.529
50	1016	-.145	.095	.200	-.487
50	1017	.225	.150	.711	-.543
50	1018	.135	.109	.589	-.182
50	1019	-.087	.096	.214	-.794
50	1020	-.167	.088	.118	-.464

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	1021	-.022	.094	.445	-.324
50	1022	-.186	.131	.824	-.289
50	1023	-.076	.088	.214	-.409
50	1024	-.085	.087	.258	-.381
50	1101	-.165	.116	.183	-.596
50	1102	-.150	.113	.214	-.556
50	1103	-.192	.116	.684	-.177
50	1104	-.005	.112	.362	-.404
50	1105	-.170	.112	.209	-.576
50	1106	-.155	.093	.182	-.530
50	1107	-.103	.091	.242	-.396
50	1108	-.067	.087	.232	-.446
50	1109	-.140	.089	.159	-.446
50	1201	.033	.099	.369	-.327
50	1202	.053	.097	.344	-.314
50	1203	.041	.093	.311	-.284
50	1204	-.124	.090	.182	-.481
50	1205	-.059	.085	.231	-.385
50	1206	-.067	.082	.218	-.363
50	1207	-.065	.081	.216	-.336
50	1208	-.066	.081	.202	-.322
50	1209	-.046	.086	.243	-.333
60	101	-.192	.188	.446	-1.108
60	102	-.071	.127	.302	-.696
60	103	-.189	.108	.199	-.558
60	104	-.017	.101	.341	-.374
60	105	-.068	.099	.326	-.438
60	106	-.099	.095	.205	-.375
60	107	-.065	.092	.365	-.393
60	108	-.165	.094	.156	-.480
60	109	-.217	.100	.102	-.569
60	110	-.016	.213	.618	-.688
60	111	.116	.189	.598	-.584
60	112	.129	.122	.529	-.328
60	113	.075	.110	.434	-.276
60	114	-.040	.104	.342	-.386
60	115	-.136	.095	.236	-.463
60	116	-.245	.098	.097	-.575
60	117	.063	.201	.691	-.686
60	118	.118	.194	.646	-.810
60	119	.179	.156	.653	-.682
60	120	.128	.132	.521	-.575
60	121	.065	.115	.421	-.356
60	122	.011	.114	.384	-.414
60	123	-.030	.103	.334	-.434
60	124	-.165	.100	.146	-.460
60	125	-.236	.097	.046	-.558
60	126	.013	.213	.672	-.728
60	127	.139	.186	.656	-.663
60	128	.113	.126	.567	-.596

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	129	.051	.110	.436	-.295
60	130	-.084	.105	.259	-.394
60	131	-.203	.101	.121	-.560
60	132	-.281	.094	.073	-.642
60	133	.004	.180	.624	-.770
60	134	.045	.173	.546	-.648
60	135	.105	.140	.566	-.483
60	136	.068	.116	.471	-.317
60	137	.018	.104	.391	-.326
60	138	-.038	.105	.332	-.375
60	139	-.074	.099	.274	-.389
60	140	-.210	.097	.104	-.552
60	141	-.304	.107	.054	-.655
60	142	-.056	.201	.481	-.808
60	143	.005	.195	.451	-.878
60	144	.036	.122	.496	-.450
60	145	.001	.105	.361	-.423
60	146	-.126	.102	.187	-.427
60	147	-.249	.103	.078	-.585
60	148	-.346	.115	.024	-.765
60	149	-.019	.143	.475	-.597
60	150	.039	.144	.391	-.611
60	151	.020	.130	.424	-.411
60	152	.015	.099	.433	-.287
60	153	.003	.092	.364	-.297
60	154	-.061	.094	.294	-.364
60	155	-.075	.091	.262	-.379
60	156	-.204	.107	.118	-.538
60	157	-.290	.132	.078	-.747
60	201	-.341	.116	.034	-.825
60	202	-.298	.113	.050	-.744
60	203	-.342	.123	.055	-.881
60	204	-.345	.132	.142	-1.082
60	205	-.366	.150	.127	-1.223
60	206	-.304	.162	.181	-1.232
60	207	-.285	.163	.212	-1.168
60	208	-.271	.162	.190	-.972
60	209	-.350	.123	-.005	-.895
60	210	-.324	.122	.016	-.865
60	211	-.322	.116	.020	-.764
60	212	-.335	.119	.023	-.760
60	213	-.353	.116	.029	-.778
60	214	-.270	.111	.112	-.679
60	215	-.256	.128	.198	-.871
60	216	-.253	.134	.177	-1.037
60	217	-.345	.098	.009	-.683
60	218	-.320	.095	.021	-.646
60	219	-.334	.109	.010	-.682
60	220	-.339	.113	.020	-.879
60	221	-.376	.121	.050	-.833

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	222	-.326	.120	.104	-.826
60	223	-.331	.134	.132	-.866
60	224	-.328	.141	.195	-.942
60	225	-.404	.117	-.020	-.878
60	226	-.378	.114	-.004	-.848
60	227	-.364	.111	.008	-.705
60	228	-.362	.114	.011	-.804
60	229	-.402	.126	.070	-1.059
60	230	-.348	.129	.239	-.775
60	231	-.342	.143	.111	-1.239
60	232	-.337	.153	.144	-1.128
60	233	-.438	.126	-.068	-.993
60	234	-.403	.143	-.046	-.919
60	235	-.410	.121	-.061	-.909
60	236	-.407	.128	.153	-.902
60	237	-.399	.155	.152	-.943
60	238	-.260	.162	.206	-.816
60	239	-.217	.168	.269	-.949
60	240	-.208	.175	.247	-1.078
60	241	-.501	.170	-.028	-1.219
60	242	-.476	.169	-.008	-1.186
60	243	-.474	.164	-.023	-1.311
60	244	-.388	.192	.352	-1.160
60	245	-.173	.186	.307	-.983
60	246	-.046	.126	.275	-.606
60	247	-.067	.112	.288	-.486
60	248	-.059	.106	.245	-.575
60	249	-.309	.216	.258	-1.407
60	250	.080	.158	.325	-.854
60	251	-.021	.111	.357	-.606
60	252	-.424	.191	-.012	-1.481
60	253	-.470	.198	-.011	-1.363
60	254	-.339	.180	.098	-1.294
60	255	-.207	.176	.316	-1.042
60	256	-.163	.160	.307	-.785
60	257	-.160	.177	.391	-1.063
60	258	-.062	.133	.316	-.874
60	259	-.043	.115	.309	-.547
60	260	-.014	.125	.502	-.650
60	261	-.036	.103	.295	-.488
60	262	-.009	.097	.304	-.351
60	263	-.008	.120	.377	-.686
60	264	-.024	.098	.283	-.587
60	265	-.065	.101	.235	-.863
60	301	-.217	.108	.100	-.686
60	302	-.157	.101	.157	-.565
60	303	-.159	.103	.149	-.552
60	304	-.185	.099	.173	-.512
60	305	-.222	.096	.095	-.575
60	306	-.182	.093	.149	-.520
60	307	-.243	.107	.133	-.643
60	308	-.210	.101	.158	-.530
60	309	-.278	.106	.141	-.639
60	310	-.278	.124	.143	-.750
60	311	-.253	.117	.105	-.690
60	312	-.263	.123	.078	-.807
60	313	-.202	.130	.159	-.890
60	314	-.156	.118	.183	-.847
60	315	-.191	.128	.180	-1.073
60	316	-.046	.099	.281	-.554
60	317	-.105	.097	.240	-.488
60	318	-.079	.099	.261	-.679
60	319	-.095	.082	.212	-.384
60	320	-.121	.087	.209	-.464
60	321	-.100	.084	.230	-.388
60	322	-.089	.082	.218	-.368
60	323	-.114	.086	.240	-.431
60	324	-.057	.086	.245	-.345
60	325	-.054	.086	.276	-.336
60	326	-.072	.088	.253	-.427
60	401	-.136	.113	.253	-.703
60	402	-.241	.118	.161	-.807
60	403	-.166	.107	.209	-.550
60	404	-.163	.089	.139	-.469
60	405	-.142	.083	.185	-.481
60	406	-.242	.090	.124	-.587
60	407	-.159	.084	.178	-.483
60	408	-.163	.098	.179	-.535
60	409	-.140	.093	.175	-.460
60	410	-.241	.101	.102	-.569
60	411	-.164	.095	.153	-.568
60	412	-.162	.091	.139	-.488
60	413	-.140	.091	.179	-.465
60	414	-.245	.098	.100	-.590
60	415	-.161	.092	.154	-.502
60	416	-.160	.094	.193	-.515
60	417	-.204	.101	.107	-.614
60	418	-.307	.107	.051	-.685
60	419	-.215	.099	.079	-.599
60	420	-.206	.101	.099	-.558
60	421	-.180	.101	.139	-.550
60	422	-.285	.108	.057	-.665
60	423	-.197	.101	.119	-.535
60	424	-.268	.115	.078	-.776
60	425	-.242	.107	.068	-.699
60	426	-.348	.114	-.013	-.802
60	427	-.274	.111	.046	-.708
60	428	-.280	.108	.086	-.729
60	429	-.250	.103	.101	-.671
60	430	-.370	.114	.005	-.797
60	431	-.275	.107	.074	-.680
60	432	-.260	.106	.051	-.726
60	433	-.155	.119	.188	-.671
60	434	-.283	.127	.071	-.791
60	435	-.274	.130	.137	-.823
60	436	-.398	.138	.032	-.865
60	437	-.375	.138	.054	-.889
60	438	-.481	.141	-.035	-1.013
60	439	-.375	.130	.046	-.848
60	440	-.068	.094	.255	-.421
60	441	-.053	.096	.271	-.445
60	442	-.152	.105	.215	-.547
60	443	-.099	.105	.329	-.503
60	444	-.130	.116	.275	-.755
60	445	-.118	.120	.304	-.596
60	446	-.294	.168	.301	-1.236
60	447	-.518	.204	-.018	-1.616
60	448	-.454	.172	.036	-1.262
60	449	-.025	.085	.285	-.283
60	450	-.136	.092	.167	-.463
60	451	-.102	.091	.251	-.363
60	452	-.121	.090	.148	-.409
60	453	-.088	.085	.169	-.436
60	454	-.124	.093	.184	-.458
60	455	-.059	.087	.219	-.413
60	456	.557	.063	.778	.317
60	457	-.058	.085	.258	-.379
60	458	-.163	.090	.176	-.492
60	459	-.119	.090	.215	-.510
60	460	-.101	.092	.265	-.427
60	461	-.076	.089	.262	-.359
60	501	-.199	.099	.152	-.557
60	502	-.081	.090	.219	-.407
60	503	-.064	.084	.292	-.393
60	504	-.052	.089	.315	-.441
60	505	-.100	.102	.308	-.741
60	506	-.154	.188	.358	-1.115
60	507	-.441	.218	.562	-1.447
60	508	-.425	.187	.626	-1.360
60	509	-.197	.097	.157	-.656
60	510	-.123	.093	.214	-.565
60	511	-.054	.094	.289	-.388
60	512	-.002	.097	.350	-.378
60	513	-.021	.124	.377	-.720
60	514	-.110	.265	.446	-1.172
60	515	-.315	.245	.601	-1.242
60	516	-.301	.224	.678	-1.224
60	517	-.226	.098	.100	-.581
60	518	-.148	.092	.166	-.485
60	519	-.082	.107	.274	-.596

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	520	-.015	.118	.360	-.544
60	521	-.032	.171	.426	-.996
60	522	-.095	.293	.575	-1.319
60	523	-.267	.238	.628	-1.272
60	524	-.256	.216	.619	-1.051
60	525	-.281	.102	.035	-.801
60	526	-.196	.092	.108	-.618
60	527	-.107	.092	.214	-.432
60	528	-.035	.100	.311	-.527
60	529	-.051	.152	.480	-.869
60	530	-.085	.269	.533	-1.358
60	531	-.239	.268	.543	-1.539
60	532	-.236	.245	.580	-1.470
60	533	-.371	.122	-.019	-.857
60	534	-.261	.104	.070	-.620
60	535	-.137	.092	.213	-.492
60	536	-.042	.093	.302	-.344
60	537	-.028	.116	.353	-.607
60	538	-.007	.210	.468	-1.140
60	539	-.171	.243	.629	-1.118
60	540	-.175	.225	.700	-1.073
60	541	-.434	.143	.001	-1.009
60	542	-.286	.113	.115	-.696
60	543	-.146	.089	.156	-.438
60	544	-.062	.091	.234	-.401
60	545	-.010	.098	.371	-.381
60	546	.082	.147	.609	-.823
60	547	-.047	.275	.608	-1.454
60	548	-.065	.267	.755	-1.344
60	549	-.232	.115	.146	-.594
60	550	-.119	.102	.253	-.463
60	551	-.146	.110	.187	-.587
60	552	-.108	.100	.453	-.232
60	553	-.151	.095	.237	-.463
60	554	-.105	.090	.270	-.397
60	555	-.089	.080	.184	-.367
60	556	-.067	.087	.241	-.372
60	557	.127	.108	.461	-.175
60	558	.171	.109	.544	-.183
60	559	.141	.140	.686	-.812
60	560	.135	.134	.646	-.655
60	601	.396	.181	1.017	-.166
60	602	.395	.170	.990	-.107
60	603	.195	.167	.761	-.387
60	604	.430	.176	1.039	-.058
60	605	.527	.164	1.043	.051
60	606	.245	.178	.791	-.323
60	607	.370	.165	1.014	-.185
60	608	.451	.173	1.023	-.125
60	609	.251	.178	.890	-.249

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	610	.363	.156	.872	-.120
60	611	.440	.153	1.011	-.030
60	612	.179	.170	.748	-.486
60	613	.319	.154	.924	-.235
60	614	.351	.137	.851	-.029
60	615	.161	.150	.584	-.299
60	616	.190	.146	.809	-.531
60	617	.233	.125	.694	-.306
60	618	.065	.162	.628	-.424
60	619	.080	.108	.518	-.232
60	620	.073	.124	.647	-.307
60	621	.194	.108	.637	-.120
60	622	.156	.098	.558	-.133
60	623	.165	.097	.566	-.125
60	624	.064	.131	.634	-.503
60	625	.165	.124	.694	-.285
60	626	.054	.145	.685	-.458
60	801	-.097	.087	.195	-.403
60	802	-.071	.087	.233	-.368
60	803	-.028	.086	.252	-.325
60	804	-.043	.107	.321	-.415
60	805	-.118	.097	.201	-.451
60	901	-.090	.097	.230	-.441
60	902	-.029	.120	.394	-.423
60	903	-.027	.116	.420	-.426
60	904	-.109	.112	.516	-.377
60	905	-.189	.104	.169	-.611
60	906	-.051	.092	.287	-.397
60	907	-.293	.128	.110	-.962
60	908	-.070	.087	.260	-.530
60	909	-.313	.139	.096	-.799
60	910	-.196	.122	.186	-.530
60	911	-.375	.122	-.005	-.905
60	912	-.620	.152	-.157	-1.351
60	913	-.440	.131	-.018	-1.036
60	914	-.250	.114	.093	-.904
60	915	-.353	.118	-.005	-.881
60	916	-.121	.084	.123	-.413
60	917	-.120	.088	.127	-.459
60	918	-.120	.096	.160	-.482
60	919	-.305	.121	.034	-.771
60	920	-.180	.130	.466	-.939
60	1001	-.315	.183	.280	-1.097
60	1002	-.010	.084	.252	-.273
60	1003	-.041	.107	.391	-.409
60	1004	-.058	.106	.377	-.508
60	1005	-.022	.102	.378	-.391
60	1006	-.094	.098	.314	-.409
60	1007	-.051	.086	.244	-.361
60	1008	-.118	.088	.174	-.454

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	1009	.012	.131	.403	-.838
60	1010	-.089	.133	.333	-.584
60	1011	-.105	.134	.315	-.770
60	1012	-.100	.115	.235	-.566
60	1013	.025	.111	.405	-.344
60	1014	-.168	.096	.151	-.531
60	1015	-.094	.083	.160	-.370
60	1016	-.092	.095	.271	-.414
60	1017	.142	.150	.747	-.481
60	1018	.110	.099	.492	-.242
60	1019	-.027	.097	.272	-.390
60	1020	-.122	.092	.182	-.445
60	1021	.027	.096	.350	-.331
60	1022	.135	.125	.548	-.315
60	1023	-.019	.086	.280	-.284
60	1024	-.042	.088	.292	-.348
60	1101	-.106	.111	.254	-.502
60	1102	-.099	.105	.380	-.586
60	1103	.212	.111	.663	-.129
60	1104	-.015	.099	.333	-.303
60	1105	-.092	.100	.290	-.433
60	1106	-.129	.093	.219	-.504
60	1107	-.065	.096	.326	-.415
60	1108	-.035	.092	.300	-.346
60	1109	-.121	.093	.195	-.405
60	1201	.087	.090	.432	-.213
60	1202	.107	.087	.423	-.195
60	1203	.065	.094	.484	-.286
60	1204	-.119	.084	.171	-.386
60	1205	-.046	.078	.224	-.287
60	1206	-.041	.080	.263	-.284
60	1207	-.052	.085	.269	-.337
60	1208	-.054	.080	.248	-.349
60	1209	-.030	.083	.278	-.359
70	101	-.461	.164	.057	-1.262
70	102	-.335	.216	.225	-1.327
70	103	-.262	.139	.183	-1.020
70	104	-.051	.102	.240	-.502
70	105	-.116	.098	.192	-.458
70	106	-.105	.089	.189	-.408
70	107	-.088	.093	.211	-.460
70	108	-.149	.085	.140	-.460
70	109	-.156	.087	.162	-.470
70	110	-.387	.187	.251	-1.149
70	111	-.271	.223	.395	-1.110
70	112	-.011	.150	.418	-.756
70	113	-.019	.109	.367	-.606
70	114	-.122	.106	.275	-.558
70	115	-.149	.098	.224	-.498
70	116	-.216	.096	.080	-.532

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	117	-.286	.194	.424	-.953
70	118	-.303	.247	.442	-1.038
70	119	-.157	.236	.455	-.897
70	120	-.024	.163	.376	-.878
70	121	-.028	.105	.330	-.563
70	122	-.092	.104	.272	-.470
70	123	-.096	.093	.235	-.418
70	124	-.183	.094	.151	-.534
70	125	-.203	.092	.087	-.512
70	126	-.333	.187	.546	-.925
70	127	-.220	.224	.551	-.922
70	128	-.055	.168	.336	-.854
70	129	-.051	.108	.286	-.613
70	130	-.159	.099	.202	-.575
70	131	-.210	.096	.163	-.546
70	132	-.257	.104	.075	-.590
70	133	-.303	.186	.306	-1.002
70	134	-.317	.236	.400	-1.000
70	135	-.193	.219	.422	-.921
70	136	-.085	.164	.311	-.911
70	137	-.075	.106	.235	-.596
70	138	-.135	.103	.178	-.564
70	139	-.141	.093	.164	-.500
70	140	-.201	.098	.113	-.558
70	141	-.244	.103	.090	-.618
70	142	-.281	.161	.229	-1.008
70	143	-.251	.190	.296	-1.126
70	144	-.106	.140	.344	-.854
70	145	-.085	.101	.276	-.585
70	146	-.196	.102	.194	-.589
70	147	-.264	.113	.170	-.743
70	148	-.332	.117	.024	-.712
70	149	-.173	.155	.328	-.988
70	150	-.193	.158	.280	-1.029
70	151	-.103	.136	.332	-.782
70	152	-.099	.111	.249	-.546
70	153	-.082	.094	.232	-.371
70	154	-.149	.099	.166	-.484
70	155	-.146	.094	.160	-.464
70	156	-.272	.106	.049	-.671
70	157	-.327	.123	.008	-.825
70	201	-.271	.101	.041	-.588
70	202	-.225	.096	.065	-.331
70	203	-.214	.091	.140	-.607
70	204	-.213	.101	.162	-.698
70	205	-.243	.119	.157	-1.034
70	206	-.220	.132	.235	-1.073
70	207	-.223	.129	.188	-.859
70	208	-.217	.125	.187	-.742
70	209	-.236	.091	.094	-.513
70	210	-.215	.091	.112	-.491
70	211	-.205	.085	.057	-.523
70	212	-.202	.085	.073	-.498
70	213	-.231	.088	.063	-.565
70	214	-.204	.086	.069	-.524
70	215	-.219	.096	.119	-.613
70	216	-.215	.098	.124	-.632
70	217	-.245	.091	.041	-.552
70	218	-.224	.089	.055	-.527
70	219	-.237	.096	.042	-.534
70	220	-.235	.095	.039	-.540
70	221	-.276	.098	-.025	-.643
70	222	-.260	.101	.038	-.632
70	223	-.280	.109	.118	-.742
70	224	-.279	.112	.068	-.749
70	225	-.291	.103	.076	-.635
70	226	-.270	.102	.093	-.612
70	227	-.280	.100	.044	-.658
70	228	-.283	.099	.003	-.739
70	229	-.336	.108	-.006	-.823
70	230	-.325	.112	.015	-.935
70	231	-.347	.123	.090	-.946
70	232	-.347	.128	.104	-.914
70	233	-.332	.111	.061	-.754
70	234	-.284	.111	.066	-.675
70	235	-.319	.108	-.004	-.724
70	236	-.326	.112	.023	-.834
70	237	-.383	.130	.056	-.904
70	238	-.320	.131	.097	-.890
70	239	-.314	.176	.210	-1.377
70	240	-.317	.190	.305	-1.529
70	241	-.375	.126	-.029	-.842
70	242	-.354	.126	-.005	-.885
70	243	-.380	.130	-.005	-.873
70	244	-.396	.143	.058	-.986
70	245	-.342	.144	.156	-1.092
70	246	-.172	.141	.303	-.744
70	247	-.127	.151	.250	-.865
70	248	-.124	.164	.259	-.984
70	249	-.364	.147	.132	-1.188
70	250	-.199	.157	.266	-.807
70	251	-.070	.127	.347	-.661
70	252	-.399	.145	-.005	-1.126
70	253	-.433	.151	-.026	-1.194
70	254	-.388	.145	.010	-1.136
70	255	-.302	.146	.109	-1.599
70	256	-.252	.132	.197	-.686
70	257	-.284	.146	.265	-.981
70	258	-.189	.140	.279	-.964
70	259	-.117	.132	.255	-.628
70	260	-.117	.143	.264	-.638
70	261	-.092	.132	.308	-.653
70	262	-.032	.106	.352	-.518
70	263	-.031	.113	.422	-.468
70	264	-.007	.101	.376	-.430
70	265	-.034	.105	.307	-.714
70	301	-.258	.129	.128	-.972
70	302	-.188	.110	.154	-.573
70	303	-.193	.110	.189	-.743
70	304	-.219	.112	.135	-.827
70	305	-.266	.108	.103	-.635
70	306	-.245	.109	.102	-.893
70	307	-.276	.124	.082	-.850
70	308	-.247	.115	.131	-.847
70	309	-.336	.123	.042	-.857
70	310	-.311	.136	.171	-.988
70	311	-.320	.128	.129	-.860
70	312	-.341	.127	.073	-.902
70	313	-.314	.176	.224	-1.030
70	314	-.274	.160	.216	-.891
70	315	-.301	.163	.111	-.990
70	316	-.055	.106	.354	-.493
70	317	-.102	.110	.319	-.896
70	318	-.080	.115	.285	-.689
70	319	-.087	.084	.242	-.365
70	320	-.151	.099	.168	-.614
70	321	-.100	.087	.214	-.385
70	322	-.082	.084	.253	-.339
70	323	-.124	.096	.194	-.557
70	324	-.030	.095	.280	-.466
70	325	-.010	.088	.268	-.370
70	326	-.036	.091	.239	-.466
70	401	-.195	.119	.167	-.825
70	402	-.319	.124	.048	-.932
70	403	-.246	.118	.115	-.699
70	404	-.233	.106	.080	-.658
70	405	-.200	.100	.113	-.585
70	406	-.310	.106	.014	-.704
70	407	-.212	.098	.097	-.572
70	408	-.243	.111	.115	-.634
70	409	-.211	.102	.123	-.641
70	410	-.326	.109	.039	-.661
70	411	-.237	.104	.112	-.676
70	412	-.231	.102	.072	-.831
70	413	-.202	.099	.097	-.794
70	414	-.321	.105	-.005	-.935
70	415	-.213	.094	.075	-.750
70	416	-.200	.100	.133	-.565
70	417	-.261	.115	.067	-.950
70	418	-.382	.122	-.028	-.967

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	419	-.274	.111	.040	-.730
70	420	-.278	.102	.046	-.909
70	421	-.247	.097	.099	-.662
70	422	-.366	.101	-.017	-.755
70	423	-.264	.094	.043	-.622
70	424	-.363	.133	.100	-.926
70	425	-.330	.123	.108	-1.005
70	426	-.454	.130	.061	-.965
70	427	-.366	.124	.009	-.974
70	428	-.365	.123	.057	-.900
70	429	-.330	.116	.096	-.784
70	430	-.470	.127	.019	-.952
70	431	-.359	.118	.091	-.798
70	432	-.329	.113	.035	-.793
70	433	-.204	.142	.232	-.710
70	434	-.350	.158	.127	-.895
70	435	-.345	.144	.254	-.864
70	436	-.441	.141	.110	-1.040
70	437	-.429	.136	-.030	-1.015
70	438	-.560	.142	-.158	-1.037
70	439	-.442	.131	-.070	-.900
70	440	-.077	.122	.314	-.645
70	441	-.060	.123	.363	-.817
70	442	-.163	.135	.348	-.806
70	443	-.095	.129	.347	-.672
70	444	-.099	.132	.363	-.626
70	445	-.097	.140	.436	-.651
70	446	-.327	.205	.264	-1.550
70	447	-.599	.234	-.035	-1.717
70	448	-.561	.196	-.086	-1.434
70	449	.001	.088	.274	-.380
70	450	-.132	.102	.221	-.586
70	451	-.101	.096	.222	-.478
70	452	-.106	.095	.203	-.493
70	453	-.096	.093	.276	-.440
70	454	-.099	.100	.267	-.584
70	455	-.039	.089	.309	-.337
70	456	.568	.064	.768	.357
70	457	-.034	.086	.257	-.356
70	458	-.148	.090	.119	-.486
70	459	-.106	.097	.230	-.478
70	460	-.105	.090	.185	-.481
70	461	-.085	.090	.192	-.420
70	501	-.237	.093	.114	-.607
70	502	-.097	.083	.211	-.415
70	503	-.072	.093	.314	-.395
70	504	-.044	.096	.358	-.406
70	505	-.096	.103	.288	-.507
70	506	-.066	.112	.337	-.533
70	507	-.093	.260	.559	-1.035
70	508	-.123	.254	.732	-.962
70	509	-.244	.100	.094	-.573
70	510	-.136	.094	.213	-.469
70	511	-.019	.095	.351	-.394
70	512	.069	.099	.446	-.297
70	513	.089	.111	.527	-.324
70	514	.199	.128	.654	-.527
70	515	.105	.292	.734	-.835
70	516	.095	.285	.805	-.794
70	517	-.281	.099	.045	-.602
70	518	-.167	.092	.130	-.449
70	519	-.051	.091	.302	-.355
70	520	.059	.099	.454	-.280
70	521	.098	.117	.568	-.367
70	522	.211	.146	.737	-.691
70	523	.169	.266	.888	-.933
70	524	.163	.266	.916	-.808
70	525	-.337	.110	.048	-.773
70	526	-.214	.099	.129	-.605
70	527	-.076	.095	.270	-.485
70	528	.047	.100	.424	-.320
70	529	.090	.118	.629	-.442
70	530	.202	.143	.803	-.499
70	531	.172	.273	.867	-.852
70	532	.167	.281	.962	-.982
70	533	-.447	.131	-.023	-.946
70	534	-.287	.108	.126	-.756
70	535	-.099	.095	.202	-.433
70	536	.028	.095	.334	-.276
70	537	.068	.107	.404	-.275
70	538	.183	.121	.608	-.523
70	539	.166	.224	.771	-.903
70	540	.156	.238	.876	-.832
70	541	-.471	.150	-.061	-1.231
70	542	-.287	.112	.074	-.834
70	543	-.106	.095	.193	-.471
70	544	.010	.094	.321	-.346
70	545	.068	.102	.410	-.286
70	546	.194	.116	.581	-.203
70	547	.206	.160	.732	-.923
70	548	.196	.180	.788	-.887
70	549	-.266	.117	.090	-.745
70	550	-.087	.094	.213	-.454
70	551	.047	.107	.310	-.479
70	552	.148	.099	.492	-.217
70	553	-.145	.096	.182	-.470
70	554	-.095	.090	.203	-.395
70	555	-.079	.087	.218	-.371
70	556	-.066	.094	.256	-.401
70	557	.148	.113	.546	-.234
70	558	.193	.114	.590	-.175
70	559	.183	.117	.725	-.406
70	560	.162	.114	.651	-.269
70	601	.385	.179	.979	-.169
70	602	.281	.158	.763	-.225
70	603	-.009	.147	.465	-.564
70	604	.487	.167	.982	-.115
70	605	.442	.164	.947	-.024
70	606	-.004	.164	.637	-.535
70	607	.453	.164	.991	-.189
70	608	.365	.164	.871	-.164
70	609	-.007	.173	.543	-.604
70	610	.379	.180	.962	-.377
70	611	.317	.177	.971	-.188
70	612	-.082	.182	.580	-.779
70	613	.310	.187	.923	-.460
70	614	.302	.141	.808	-.061
70	615	-.048	.151	.489	-.541
70	616	.213	.185	.881	-.643
70	617	.196	.140	.710	-.204
70	618	-.151	.157	.374	-.744
70	619	.110	.099	.483	-.205
70	620	.168	.142	.744	-.174
70	621	.208	.108	.736	-.139
70	622	.155	.100	.537	-.176
70	623	.165	.102	.601	-.178
70	624	-.015	.157	.425	-.860
70	625	.073	.122	.531	-.423
70	626	-.108	.136	.276	-.642
70	801	-.092	.092	.226	-.435
70	802	-.061	.091	.266	-.407
70	803	-.026	.090	.306	-.363
70	804	.023	.109	.401	-.396
70	805	-.145	.115	.263	-.632
70	901	-.179	.100	.156	-.556
70	902	-.017	.176	.495	-.521
70	903	.004	.129	.492	-.501
70	904	.137	.124	.591	-.342
70	905	-.234	.114	.113	-.715
70	906	-.055	.097	.249	-.386
70	907	-.307	.159	-.013	-1.026
70	908	-.028	.100	.363	-.464
70	909	-.275	.126	.089	-.744
70	910	-.022	.117	.295	-.525
70	911	-.461	.139	.001	-1.040
70	912	-.798	.211	-.082	-1.748
70	913	-.354	.156	.275	-.863
70	914	-.179	.108	.175	-.598
70	915	-.278	.115	.140	-.691
70	916	-.105	.093	.231	-.451

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	917	-.113	.090	.176	-.454
70	918	-.053	.097	.306	-.465
70	919	-.221	.143	.187	-.878
70	920	-.091	.174	.451	-.986
70	1001	-.281	.153	.415	-1.025
70	1002	.040	.094	.465	-.309
70	1003	.035	.097	.342	-.313
70	1004	.018	.096	.307	-.307
70	1005	.050	.099	.375	-.264
70	1006	-.053	.093	.255	-.350
70	1007	-.021	.081	.277	-.281
70	1008	-.099	.082	.198	-.362
70	1009	-.085	.255	.445	-1.250
70	1010	.019	.109	.364	-.422
70	1011	.010	.115	.363	-.550
70	1012	.005	.100	.324	-.467
70	1013	.085	.096	.415	-.312
70	1014	-.139	.085	.141	-.418
70	1015	-.043	.089	.265	-.357
70	1016	-.032	.107	.379	-.440
70	1017	.101	.153	.663	-.462
70	1018	.131	.101	.463	-.226
70	1019	.035	.087	.335	-.323
70	1020	-.082	.089	.241	-.441
70	1021	.073	.087	.406	-.250
70	1022	.111	.111	.626	-.305
70	1023	.046	.087	.424	-.210
70	1024	-.002	.087	.391	-.273
70	1101	-.017	.102	.276	-.359
70	1102	-.036	.106	.366	-.466
70	1103	.192	.117	.881	-.143
70	1104	-.006	.096	.350	-.355
70	1105	-.040	.105	.412	-.429
70	1106	-.110	.097	.215	-.479
70	1107	-.046	.092	.259	-.406
70	1108	-.014	.091	.275	-.419
70	1109	-.112	.091	.236	-.450
70	1201	.113	.091	.432	-.217
70	1202	.127	.085	.406	-.194
70	1203	.070	.093	.369	-.268
70	1204	-.116	.090	.328	-.449
70	1205	-.034	.084	.372	-.344
70	1206	-.032	.083	.247	-.330
70	1207	-.046	.080	.264	-.341
70	1208	-.051	.083	.206	-.314
70	1209	-.028	.087	.252	-.317
80	101	-.693	.189	-.115	-1.766
80	102	-.651	.233	.027	-1.469
80	103	-.427	.188	.182	-1.441
80	104	-.139	.140	.228	-.766
80	105	-.160	.101	.173	-.580
80	106	-.143	.100	.163	-.606
80	107	-.139	.089	.143	-.472
80	108	-.176	.096	.115	-.492
80	109	-.155	.097	.133	-.464
80	110	-.628	.174	-.092	-1.220
80	111	-.581	.182	.157	-1.206
80	112	-.327	.233	.211	-1.088
80	113	-.146	.136	.256	-.782
80	114	-.184	.107	.137	-.608
80	115	-.183	.097	.150	-.508
80	116	-.206	.096	.098	-.585
80	117	-.516	.154	-.025	-1.099
80	118	-.598	.176	.077	-1.251
80	119	-.503	.188	.146	-1.125
80	120	-.377	.246	.267	-1.211
80	121	-.208	.179	.261	-1.008
80	122	-.224	.155	.217	-.898
80	123	-.190	.129	.164	-.860
80	124	-.213	.114	.183	-.750
80	125	-.194	.107	.183	-.763
80	126	-.574	.180	-.014	-1.226
80	127	-.533	.188	.067	-1.192
80	128	-.367	.219	.257	-1.176
80	129	-.196	.159	.240	-.924
80	130	-.206	.122	.184	-.876
80	131	-.213	.104	.141	-.760
80	132	-.234	.107	.109	-.802
80	133	-.481	.153	-.033	-1.062
80	134	-.541	.172	.047	-1.144
80	135	-.453	.176	.059	-1.007
80	136	-.365	.202	.188	-1.002
80	137	-.214	.151	.256	-.934
80	138	-.228	.134	.222	-.866
80	139	-.207	.117	.219	-.806
80	140	-.214	.106	.134	-.792
80	141	-.228	.106	.157	-.748
80	142	-.429	.148	-.005	-.991
80	143	-.457	.154	.016	-1.072
80	144	-.353	.172	.182	-.964
80	145	-.221	.138	.156	-.756
80	146	-.243	.119	.222	-.811
80	147	-.246	.109	.192	-.690
80	148	-.291	.120	.011	-.687
80	149	-.363	.162	.179	-1.152
80	150	-.357	.151	.119	-1.097
80	151	-.238	.131	.185	-.793
80	152	-.174	.108	.180	-.724
80	153	-.127	.089	.170	-.438
80	154	-.208	.093	.092	-.534
80	155	-.174	.087	.132	-.460
80	156	-.228	.099	.177	-.592
80	157	-.238	.106	.171	-.658
80	201	-.258	.098	.077	-.583
80	202	-.191	.093	.128	-.491
80	203	-.189	.104	.121	-.555
80	204	-.184	.107	.125	-.580
80	205	-.217	.126	.209	-.781
80	206	-.207	.135	.276	-.938
80	207	-.226	.133	.239	-1.117
80	208	-.223	.129	.219	-.874
80	209	-.224	.099	.114	-.648
80	210	-.206	.100	.179	-.606
80	211	-.200	.096	.111	-.542
80	212	-.193	.093	.110	-.532
80	213	-.217	.096	.089	-.608
80	214	-.201	.094	.111	-.553
80	215	-.223	.103	.095	-.768
80	216	-.222	.105	.106	-.847
80	217	-.242	.105	.149	-.607
80	218	-.225	.103	.152	-.632
80	219	-.227	.103	.161	-.624
80	220	-.224	.102	.107	-.640
80	221	-.259	.105	.083	-.633
80	222	-.242	.106	.158	-.619
80	223	-.263	.107	.115	-.750
80	224	-.267	.113	.116	-.756
80	225	-.260	.113	.153	-.816
80	226	-.242	.111	.177	-.764
80	227	-.253	.110	.170	-.649
80	228	-.257	.108	.101	-.649
80	229	-.301	.115	.073	-.755
80	230	-.288	.118	.120	-.670
80	231	-.293	.126	.128	-.901
80	232	-.298	.131	.161	-.845
80	233	-.266	.109	.167	-.736
80	234	-.232	.109	.148	-.818
80	235	-.256	.119	.074	-.771
80	236	-.262	.116	.119	-.789
80	237	-.312	.125	.059	-.878
80	238	-.288	.127	.124	-.694
80	239	-.298	.153	.158	-1.015
80	240	-.300	.159	.180	-1.057
80	241	-.296	.129	.097	-.896
80	242	-.280	.129	.091	-.872
80	243	-.301	.127	.023	-.808
80	244	-.324	.135	.029	-.923
80	245	-.328	.134	.121	-1.005
80	246	-.207	.127	.171	-.835
80	247	-.156	.139	.251	-.901

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	248	-.155	.153	.260	-.882
80	249	-.326	.142	.089	-1.078
80	250	-.224	.151	.236	-.932
80	251	-.125	.141	.311	-.743
80	252	-.257	.120	.131	-.701
80	253	-.280	.123	.111	-.742
80	254	-.261	.121	.095	-.766
80	255	-.278	.154	.090	-1.496
80	256	-.241	.130	.221	-.826
80	257	-.287	.141	.151	-.888
80	258	-.251	.142	.174	-.887
80	259	-.154	.138	.284	-.708
80	260	-.170	.141	.343	-.721
80	261	-.143	.139	.269	-.770
80	262	-.049	.121	.378	-.503
80	263	-.079	.137	.396	-.618
80	264	-.065	.141	.342	-.717
80	265	-.090	.149	.336	-.927
80	301	-.264	.131	.087	-.892
80	302	-.204	.111	.208	-.685
80	303	-.203	.108	.151	-.737
80	304	-.217	.111	.169	-.835
80	305	-.256	.103	.091	-.642
80	306	-.240	.109	.108	-.742
80	307	-.291	.134	.136	-1.003
80	308	-.258	.116	.133	-.755
80	309	-.355	.133	.134	-.916
80	310	-.336	.154	.138	-1.524
80	311	-.324	.138	.053	-.858
80	312	-.337	.143	.098	-.939
80	313	-.357	.166	.107	-1.233
80	314	-.326	.155	.118	-1.061
80	315	-.337	.157	.152	-.953
80	316	-.093	.134	.294	-.990
80	317	-.142	.142	.219	-.850
80	318	-.129	.135	.242	-.687
80	319	-.103	.093	.239	-.453
80	320	-.244	.146	.173	-1.075
80	321	-.123	.102	.235	-.487
80	322	-.111	.095	.227	-.459
80	323	-.187	.101	.129	-.573
80	324	-.051	.098	.316	-.630
80	325	-.024	.089	.285	-.655
80	326	-.068	.105	.235	-.729
80	401	-.206	.123	.230	-.809
80	402	-.333	.124	.115	-.825
80	403	-.254	.119	.209	-.801
80	404	-.266	.112	.091	-.784
80	405	-.250	.108	.115	-.728
80	406	-.378	.123	.017	-.826
80	407	-.265	.112	.083	-.712
80	408	-.251	.118	.135	-1.041
80	409	-.215	.103	.111	-.699
80	410	-.339	.112	.016	-.901
80	411	-.251	.110	.087	-.774
80	412	-.286	.122	.099	-.806
80	413	-.254	.118	.096	-.827
80	414	-.389	.132	-.011	-1.059
80	415	-.263	.120	.115	-.851
80	416	-.243	.114	.111	-.743
80	417	-.315	.144	.144	-1.152
80	418	-.442	.138	.058	-1.024
80	419	-.326	.127	.044	-.972
80	420	-.315	.124	.131	-1.101
80	421	-.276	.117	.172	-.824
80	422	-.399	.124	.077	-.920
80	423	-.288	.113	.141	-.772
80	424	-.366	.147	.112	-1.350
80	425	-.330	.131	.138	-.852
80	426	-.460	.139	-.017	-.988
80	427	-.365	.130	.087	-1.053
80	428	-.375	.129	.029	-.965
80	429	-.341	.121	.066	-.884
80	430	-.489	.135	-.046	-1.228
80	431	-.368	.122	.035	-.836
80	432	-.361	.112	.016	-.761
80	433	-.296	.156	.167	-.941
80	434	-.449	.173	.056	-1.165
80	435	-.390	.161	.107	-1.095
80	436	-.431	.150	.217	-1.261
80	437	-.424	.146	-.038	-1.139
80	438	-.573	.153	-.141	-1.186
80	439	-.446	.139	-.054	-.965
80	440	-.100	.125	.294	-.681
80	441	-.080	.123	.347	-.615
80	442	-.199	.135	.317	-.725
80	443	-.109	.125	.287	-.664
80	444	-.114	.136	.363	-.746
80	445	-.142	.151	.352	-.697
80	446	-.425	.217	.270	-1.267
80	447	-.575	.207	-.009	-1.499
80	448	-.526	.192	-.044	-1.473
80	449	-.055	.122	.270	-.861
80	450	-.197	.136	.176	-1.019
80	451	-.140	.123	.233	-.937
80	452	-.144	.103	.190	-.598
80	453	-.147	.107	.199	-.623
80	454	-.133	.110	.252	-.672
80	455	-.059	.101	.363	-.427
80	456	.553	.074	.782	.263
80	457	-.043	.102	.346	-.514
80	458	-.175	.104	.213	-.575
80	459	-.106	.108	.296	-.658
80	460	-.128	.111	.193	-.617
80	461	-.118	.110	.199	-.534
80	501	-.292	.120	.094	-.804
80	502	-.128	.103	.235	-.534
80	503	-.062	.096	.315	-.417
80	504	-.016	.105	.391	-.442
80	505	-.042	.116	.389	-.437
80	506	.001	.129	.400	-.509
80	507	.171	.152	.845	-.557
80	508	.257	.199	.987	-.537
80	509	-.233	.105	.122	-.713
80	510	-.106	.100	.257	-.555
80	511	.039	.109	.431	-.325
80	512	.149	.116	.529	-.249
80	513	.195	.132	.573	-.270
80	514	.325	.148	.747	-.183
80	515	.453	.172	1.010	-.427
80	516	.476	.193	1.054	-.396
80	517	-.264	.104	.074	-.653
80	518	-.127	.097	.194	-.450
80	519	.021	.096	.455	-.321
80	520	.153	.104	.584	-.218
80	521	.219	.121	.752	-.200
80	522	.355	.131	.945	-.088
80	523	.459	.180	1.092	-.271
80	524	.471	.195	1.175	-.214
80	525	-.319	.113	.081	-.806
80	526	-.178	.102	.157	-.578
80	527	-.001	.103	.354	-.380
80	528	.139	.112	.505	-.253
80	529	.203	.133	.682	-.227
80	530	.330	.146	.864	-.075
80	531	.412	.147	.912	-.120
80	532	.419	.167	.959	-.193
80	533	-.403	.120	-.023	-.889
80	534	-.235	.103	.090	-.628
80	535	-.042	.097	.322	-.353
80	536	.101	.097	.461	-.214
80	537	.163	.110	.561	-.197
80	538	.282	.122	.675	-.094
80	539	.345	.154	.878	-.074
80	540	.345	.163	.885	-.223
80	541	-.434	.138	.021	-1.063
80	542	-.252	.106	.132	-.687
80	543	-.062	.092	.225	-.387
80	544	.081	.097	.409	-.256
80	545	.137	.108	.495	-.239

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	546	.240	.124	.804	-.166
80	547	.283	.136	.866	-.083
80	548	.283	.147	.940	-.237
80	549	-.351	.138	.086	-.834
80	550	-.048	.094	.260	-.374
80	551	.082	.104	.485	-.289
80	552	.172	.108	.603	-.179
80	553	-.156	.102	.150	-.498
80	554	-.111	.094	.172	-.441
80	555	-.098	.091	.229	-.396
80	556	-.093	.096	.248	-.470
80	557	.151	.110	.554	-.239
80	558	.175	.109	.578	-.241
80	559	.140	.117	.705	-.228
80	560	.097	.122	.608	-.256
80	601	.313	.231	.883	-.752
80	602	.117	.158	.694	-.402
80	603	-.230	.145	.294	-.919
80	604	.353	.251	.989	-.742
80	605	.273	.161	.791	-.246
80	606	-.281	.140	.167	-.842
80	607	.273	.264	1.010	-.750
80	608	.165	.160	.768	-.553
80	609	-.285	.145	.166	-.836
80	610	.174	.315	.984	-.956
80	611	.125	.173	.816	-.737
80	612	-.402	.150	.191	-.938
80	613	.082	.298	.777	-.957
80	614	.112	.155	.682	-.693
80	615	-.271	.142	.204	-.755
80	616	-.043	.264	.776	-1.116
80	617	.033	.139	.722	-.512
80	618	-.337	.153	.102	-1.074
80	619	.126	.096	.591	-.154
80	620	.217	.159	1.040	-.554
80	621	.193	.112	.607	-.159
80	622	.155	.111	.594	-.243
80	623	.146	.103	.518	-.215
80	624	-.204	.166	.341	-.874
80	625	-.060	.131	.438	-.565
80	626	-.289	.146	.227	-.924
80	801	-.119	.088	.200	-.433
80	802	-.085	.086	.238	-.415
80	803	-.045	.082	.273	-.323
80	804	.043	.110	.458	-.398
80	805	-.191	.123	.257	-.714
80	901	-.308	.124	.093	-.944
80	902	-.249	.123	.277	-1.023
80	903	-.023	.134	.547	-.624
80	904	-.021	.167	.539	-.831
80	905	-.293	.109	.164	-.739
80	906	-.095	.115	.305	-.553
80	907	-.549	.151	-.066	-1.175
80	908	-.150	.182	.302	-.943
80	909	-.314	.120	.060	-.727
80	910	-.022	.096	.326	-.410
80	911	-.533	.137	-.098	-1.614
80	912	-1.082	.295	-.349	-2.385
80	913	-.152	.188	.339	-.890
80	914	-.121	.102	.208	-.505
80	915	-.211	.113	.250	-.599
80	916	-.109	.096	.173	-.428
80	917	-.103	.092	.367	-.421
80	918	.030	.102	.596	-.304
80	919	-.021	.127	.472	-.664
80	920	.164	.192	.793	-.760
80	1001	-.226	.137	.254	-.841
80	1002	.056	.106	.462	-.418
80	1003	.086	.093	.435	-.231
80	1004	.072	.091	.361	-.234
80	1005	.115	.096	.407	-.225
80	1006	-.002	.089	.280	-.292
80	1007	.001	.088	.316	-.293
80	1008	-.075	.091	.234	-.402
80	1009	-.232	.262	.436	-1.202
80	1010	.055	.102	.432	-.391
80	1011	.085	.096	.388	-.239
80	1012	.076	.089	.365	-.302
80	1013	.126	.090	.427	-.181
80	1014	-.116	.089	.254	-.417
80	1015	-.019	.089	.293	-.312
80	1016	.014	.107	.419	-.347
80	1017	.024	.122	.501	-.545
80	1018	.102	.095	.441	-.246
80	1019	.063	.087	.349	-.221
80	1020	-.063	.089	.215	-.333
80	1021	.094	.090	.416	-.190
80	1022	.060	.094	.385	-.325
80	1023	.078	.090	.369	-.210
80	1024	.023	.088	.306	-.267
80	1101	.046	.106	.393	-.353
80	1102	.055	.103	.410	-.313
80	1103	.164	.113	.604	-.245
80	1104	-.044	.101	.290	-.414
80	1105	.040	.103	.378	-.334
80	1106	-.093	.100	.247	-.454
80	1107	-.078	.102	.299	-.416
80	1108	-.070	.103	.330	-.445
80	1109	-.077	.094	.244	-.433
80	1201	.148	.097	.514	-.186
80	1202	.120	.095	.423	-.223
80	1203	.135	.097	.483	-.230
80	1204	-.052	.088	.214	-.389
80	1205	-.039	.087	.218	-.372
80	1206	-.026	.084	.237	-.334
80	1207	-.072	.086	.243	-.407
80	1208	-.065	.083	.184	-.346
80	1209	-.084	.088	.156	-.392
90	101	-.700	.238	-.061	-1.697
90	102	-.687	.219	.001	-1.520
90	103	-.687	.223	-.026	-1.747
90	104	-.376	.181	.227	-1.030
90	105	-.461	.163	.065	-1.143
90	106	-.260	.130	.201	-.868
90	107	-.228	.127	.170	-.745
90	108	-.251	.117	.152	-.797
90	109	-.187	.107	.153	-.563
90	110	-.792	.205	-.262	-1.572
90	111	-.592	.192	-.053	-1.428
90	112	-.543	.172	.027	-1.125
90	113	-.372	.162	.130	-.911
90	114	-.467	.149	.166	-1.086
90	115	-.228	.119	.408	-.677
90	116	-.244	.132	.204	-.805
90	117	-.474	.190	.009	-1.098
90	118	-.727	.212	-.150	-1.447
90	119	-.518	.190	.055	-1.169
90	120	-.497	.170	.104	-1.054
90	121	-.383	.175	.111	-1.085
90	122	-.553	.183	.032	-1.187
90	123	-.324	.175	.306	-.993
90	124	-.287	.150	.239	-.926
90	125	-.248	.151	.216	-.908
90	126	-.737	.194	-.173	-1.558
90	127	-.529	.180	-.016	-1.229
90	128	-.482	.176	.133	-1.193
90	129	-.367	.163	.147	-1.195
90	130	-.513	.172	-.029	-1.225
90	131	-.274	.142	.224	-.818
90	132	-.284	.156	.236	-.971
90	133	-.513	.191	.011	-1.190
90	134	-.769	.212	-.186	-1.542
90	135	-.538	.184	-.033	-1.286
90	136	-.511	.179	.090	-1.200
90	137	-.369	.167	.245	-1.138
90	138	-.542	.163	.074	-1.195
90	139	-.314	.154	.147	-1.058
90	140	-.270	.157	.233	-.931
90	141	-.249	.157	.213	-1.052
90	142	-.549	.185	.030	-1.428

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	143	-.478	.177	.065	-1.343
90	144	-.440	.185	.011	-1.214
90	145	-.292	.162	.082	-.974
90	146	-.452	.159	-.023	-1.079
90	147	-.242	.137	.163	-.839
90	148	-.263	.129	.088	-.727
90	149	-.390	.180	.106	-1.341
90	150	-.537	.156	-.034	-1.250
90	151	-.258	.126	.211	-.903
90	152	-.229	.114	.144	-.762
90	153	-.160	.095	.165	-.555
90	154	-.374	.104	-.018	-.741
90	155	-.187	.095	.176	-.524
90	156	-.224	.109	.144	-.850
90	157	-.210	.112	.163	-.865
90	201	-.410	.125	.001	-.871
90	202	-.218	.114	.144	-.632
90	203	-.209	.124	.168	-.702
90	204	-.206	.129	.189	-.945
90	205	-.235	.158	.160	-1.683
90	206	-.223	.150	.260	-1.435
90	207	-.214	.128	.172	-1.091
90	208	-.211	.124	.186	-.857
90	209	-.243	.125	.127	-.841
90	210	-.225	.127	.132	-.871
90	211	-.212	.118	.157	-.712
90	212	-.200	.107	.162	-.604
90	213	-.222	.105	.128	-.621
90	214	-.208	.102	.112	-.582
90	215	-.225	.108	.160	-.707
90	216	-.226	.111	.154	-.755
90	217	-.268	.146	.165	-.943
90	218	-.240	.136	.206	-.808
90	219	-.222	.127	.140	-.681
90	220	-.218	.116	.168	-.751
90	221	-.238	.115	.143	-.790
90	222	-.221	.115	.181	-.776
90	223	-.225	.112	.202	-.649
90	224	-.229	.118	.208	-.782
90	225	-.261	.139	.152	-.990
90	226	-.241	.131	.162	-.782
90	227	-.251	.137	.198	-.738
90	228	-.247	.127	.236	-.741
90	229	-.271	.125	.113	-1.050
90	230	-.240	.120	.138	-.789
90	231	-.245	.122	.207	-.746
90	232	-.249	.131	.281	-.848
90	233	-.278	.136	.098	-.881
90	234	-.237	.125	.115	-.823
90	235	-.239	.127	.160	-.833

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	236	-.243	.122	.098	-.711
90	237	-.271	.126	.099	-.731
90	238	-.226	.118	.133	-.677
90	239	-.238	.142	.236	-.948
90	240	-.243	.151	.273	-1.161
90	241	-.296	.144	.124	-.847
90	242	-.279	.142	.114	-.840
90	243	-.239	.127	.164	-1.017
90	244	-.252	.134	.106	-1.133
90	245	-.267	.137	.131	-.983
90	246	-.180	.121	.187	-.779
90	247	-.174	.128	.194	-.704
90	248	-.175	.137	.253	-.723
90	249	-.300	.150	.155	-.989
90	250	-.219	.140	.316	-.839
90	251	-.149	.136	.272	-.865
90	252	-.229	.127	.097	-.900
90	253	-.247	.130	.083	-.935
90	254	-.232	.128	.111	-.894
90	255	-.250	.149	.136	-1.061
90	256	-.220	.134	.148	-.822
90	257	-.254	.145	.252	-.866
90	258	-.233	.148	.176	-1.024
90	259	-.157	.127	.294	-.586
90	260	-.174	.127	.238	-.628
90	261	-.170	.132	.320	-.609
90	262	-.137	.134	.266	-.662
90	263	-.140	.137	.348	-.773
90	264	-.153	.140	.326	-.779
90	265	-.167	.142	.277	-.797
90	301	-.280	.140	.185	-.910
90	302	-.233	.135	.227	-.914
90	303	-.246	.141	.142	-.944
90	304	-.208	.130	.189	-1.262
90	305	-.254	.130	.164	-.809
90	306	-.242	.135	.126	-.941
90	307	-.277	.153	.170	-.977
90	308	-.240	.137	.161	-.947
90	309	-.337	.166	.119	-1.043
90	310	-.288	.174	.126	-1.253
90	311	-.258	.143	.152	-.993
90	312	-.270	.153	.187	-.898
90	313	-.285	.165	.204	-1.057
90	314	-.236	.145	.175	-1.038
90	315	-.269	.149	.218	-.869
90	316	-.146	.144	.266	-.965
90	317	-.197	.143	.217	-.905
90	318	-.162	.138	.233	-.869
90	319	-.125	.094	.172	-.447
90	320	-.188	.107	.136	-.593

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	321	-.215	.105	.100	-.608
90	322	-.136	.095	.154	-.471
90	323	-.272	.140	.091	-.733
90	324	-.118	.127	.239	-.675
90	325	-.201	.143	.169	-.820
90	326	-.248	.229	.161	-1.547
90	401	-.218	.148	.261	-1.037
90	402	-.356	.165	.176	-1.214
90	403	-.287	.161	.235	-1.153
90	404	-.355	.160	.269	-1.066
90	405	-.400	.163	.287	-1.099
90	406	-.599	.197	-.077	-1.540
90	407	-.480	.202	-.045	-1.736
90	408	-.260	.144	.188	-.914
90	409	-.243	.133	.264	-.762
90	410	-.382	.146	.185	-.979
90	411	-.324	.147	.210	-.974
90	412	-.374	.157	.163	-.941
90	413	-.364	.155	.144	-.965
90	414	-.552	.188	-.021	-1.326
90	415	-.430	.179	.071	-1.209
90	416	-.399	.167	.041	-.982
90	417	-.282	.160	.141	-1.292
90	418	-.420	.160	.044	-1.119
90	419	-.351	.160	.226	-1.232
90	420	-.389	.155	.089	-1.045
90	421	-.378	.162	.028	-1.105
90	422	-.516	.180	-.099	-1.276
90	423	-.388	.164	-.009	-1.115
90	424	-.296	.156	.301	-.954
90	425	-.274	.144	.270	-.773
90	426	-.411	.154	.162	-.949
90	427	-.343	.153	.253	-.943
90	428	-.405	.160	.144	-1.529
90	429	-.378	.154	.243	-1.301
90	430	-.544	.182	.178	-1.510
90	431	-.419	.169	-.023	-1.274
90	432	-.421	.179	.060	-1.220
90	433	-.206	.146	.456	-.888
90	434	-.350	.158	.209	-1.093
90	435	-.286	.156	.266	-.855
90	436	-.380	.178	.177	-1.168
90	437	-.419	.160	.054	-1.053
90	438	-.612	.172	-.143	-1.433
90	439	-.480	.156	-.044	-1.103
90	440	-.144	.117	.246	-.695
90	441	-.124	.113	.282	-.605
90	442	-.238	.118	.191	-.757
90	443	-.140	.116	.233	-.683
90	444	-.183	.140	.209	-.750

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	445	-.219	.141	.182	-.754
90	446	-.473	.188	.080	-1.335
90	447	-.509	.202	.025	-1.496
90	448	-.523	.188	-.072	-1.460
90	449	-.126	.116	.213	-.604
90	450	-.252	.119	.096	-.796
90	451	-.173	.104	.166	-.652
90	452	-.150	.091	.188	-.419
90	453	-.151	.104	.208	-.544
90	454	-.200	.109	.176	-.611
90	455	-.111	.103	.285	-.494
90	456	-.548	.071	.785	-.287
90	457	-.029	.102	.397	-.425
90	458	-.178	.098	.211	-.571
90	459	-.086	.107	.291	-.537
90	460	-.150	.105	.231	-.541
90	461	-.160	.098	.163	-.485
90	501	-.388	.122	.091	-.929
90	502	-.177	.099	.205	-.513
90	503	-.094	.104	.295	-.440
90	504	-.036	.109	.412	-.410
90	505	-.028	.118	.420	-.378
90	506	.049	.132	.524	-.338
90	507	.237	.162	.825	-.277
90	508	.325	.176	.933	-.223
90	509	-.303	.140	.169	-.855
90	510	-.132	.123	.305	-.559
90	511	.085	.112	.502	-.250
90	512	.227	.121	.639	-.143
90	513	.299	.139	.800	-.124
90	514	.429	.157	.993	-.061
90	515	.506	.168	1.027	-.003
90	516	.492	.176	1.029	-.197
90	517	-.303	.135	.110	-.801
90	518	-.136	.114	.236	-.504
90	519	.083	.104	.427	-.249
90	520	.251	.117	.631	-.134
90	521	.344	.138	.814	-.087
90	522	.470	.152	.971	-.007
90	523	.507	.172	1.147	-.125
90	524	.465	.180	1.111	-.224
90	525	-.329	.125	-.024	-.831
90	526	-.164	.107	.148	-.543
90	527	.051	.105	.487	-.285
90	528	.207	.109	.641	-.125
90	529	.285	.125	.768	-.094
90	530	.397	.134	.857	.013
90	531	.452	.162	1.005	.023
90	532	.406	.170	1.001	-.073
90	533	-.392	.137	.094	-.911

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	534	-.197	.112	.246	-.666
90	535	.031	.106	.443	-.527
90	536	.165	.117	.617	-.376
90	537	.253	.136	.746	-.119
90	538	.353	.144	.917	-.035
90	539	.357	.148	.844	-.121
90	540	.310	.160	.805	-.245
90	541	-.374	.134	.038	-.934
90	542	-.204	.108	.154	-.633
90	543	-.011	.098	.305	-.344
90	544	.123	.104	.474	-.188
90	545	.141	.111	.521	-.199
90	546	.201	.121	.658	-.182
90	547	.241	.135	.872	-.326
90	548	.214	.152	.834	-.523
90	549	-.390	.137	.077	-.944
90	550	.007	.102	.426	-.320
90	551	.185	.117	.662	-.154
90	552	.199	.107	.675	-.113
90	553	-.202	.107	.136	-.644
90	554	-.148	.100	.165	-.535
90	555	-.110	.088	.164	-.467
90	556	-.104	.098	.216	-.478
90	557	.189	.136	.713	-.200
90	558	.195	.131	.758	-.147
90	559	.093	.122	.643	-.298
90	560	.025	.122	.531	-.370
90	601	-.041	.366	.773	-1.751
90	602	-.029	.142	.424	-.614
90	603	-.398	.153	.121	-1.013
90	604	-.075	.366	.855	-1.337
90	605	-.010	.225	.632	-1.343
90	606	-.398	.149	.085	-.864
90	607	-.196	.348	.747	-1.277
90	608	-.046	.250	.472	-1.378
90	609	-.369	.147	.114	-.899
90	610	-.273	.356	.729	-1.488
90	611	-.091	.256	.472	-1.363
90	612	-.450	.158	.079	-1.201
90	613	-.287	.329	.727	-1.242
90	614	-.110	.231	.417	-.993
90	615	-.349	.151	.100	-.996
90	616	-.367	.313	.521	-1.554
90	617	-.107	.158	.342	-1.126
90	618	-.401	.159	.046	-1.006
90	619	.137	.103	.527	-.454
90	620	.177	.194	.939	-.548
90	621	.174	.115	.579	-.164
90	622	.171	.099	.542	-.139
90	623	.151	.090	.492	-.159

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	624	-.344	.154	.284	-1.002
90	625	-.175	.141	.323	-.701
90	626	-.305	.140	.112	-1.100
90	801	-.113	.096	.189	-.492
90	802	-.168	.099	.145	-.529
90	803	-.073	.092	.228	-.450
90	804	-.015	.139	.384	-.799
90	805	-.291	.150	.214	-1.008
90	901	-.456	.133	.044	-1.044
90	902	-.287	.146	.241	-.939
90	903	-.251	.156	.441	-.870
90	904	-.281	.157	.239	-.985
90	905	-.337	.135	.229	-.889
90	906	-.182	.130	.366	-.744
90	907	-.737	.155	.180	-1.390
90	908	-.465	.167	.081	-1.021
90	909	-.285	.121	.086	-.830
90	910	-.034	.129	.389	-.576
90	911	-.829	.243	.194	-1.892
90	912	-1.030	.294	.193	-2.390
90	913	-.120	.171	.424	-.812
90	914	-.122	.100	.309	-.535
90	915	-.321	.114	.143	-.995
90	916	-.100	.090	.196	-.445
90	917	-.086	.097	.220	-.475
90	918	.115	.108	.560	-.231
90	919	-.048	.109	.300	-.700
90	920	.299	.168	.914	-.273
90	1001	-.255	.142	.186	-1.003
90	1002	.042	.124	.481	-.765
90	1003	.094	.102	.433	-.234
90	1004	.104	.094	.408	-.216
90	1005	.075	.107	.455	-.283
90	1006	.022	.090	.303	-.322
90	1007	.015	.094	.376	-.343
90	1008	-.041	.096	.339	-.346
90	1009	-.379	.245	.289	-1.690
90	1010	.056	.108	.507	-.393
90	1011	.103	.093	.453	-.162
90	1012	.117	.088	.462	-.177
90	1013	.086	.097	.452	-.248
90	1014	-.105	.090	.186	-.413
90	1015	-.007	.088	.312	-.338
90	1016	.047	.107	.487	-.346
90	1017	-.071	.116	.336	-.505
90	1018	.074	.096	.390	-.294
90	1019	.059	.090	.355	-.249
90	1020	-.028	.093	.285	-.370
90	1021	.036	.098	.422	-.263
90	1022	.027	.103	.434	-.514

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	1023	.064	.095	.414	-.278
90	1024	.042	.091	.403	-.334
90	1101	.076	.094	.426	-.257
90	1102	.127	.109	.550	-.306
90	1103	.177	.111	.568	-.176
90	1104	-.075	.098	.274	-.429
90	1105	.050	.106	.442	-.336
90	1106	-.076	.094	.297	-.424
90	1107	-.134	.105	.223	-.478
90	1108	-.114	.110	.220	-.484
90	1109	-.112	.102	.182	-.458
90	1201	.164	.086	.488	-.123
90	1202	.128	.082	.457	-.147
90	1203	.148	.082	.464	-.115
90	1204	-.061	.083	.197	-.324
90	1205	-.044	.082	.214	-.309
90	1206	-.030	.081	.269	-.394
90	1207	-.086	.088	.168	-.363
90	1208	-.084	.081	.207	-.401
90	1209	-.110	.085	.205	-.459
100	101	-.539	.187	-.025	-1.708
100	102	-.479	.166	.016	-1.203
100	103	-.542	.206	.043	-1.452
100	104	-.423	.158	.029	-1.325
100	105	-.402	.166	.146	-1.348
100	106	-.341	.180	.215	-1.224
100	107	-.345	.162	.175	-1.044
100	108	-.340	.168	.252	-1.022
100	109	-.289	.149	.236	-1.018
100	110	-.484	.186	.122	-1.486
100	111	-.464	.185	.144	-1.787
100	112	-.416	.178	.114	-1.207
100	113	-.400	.175	.169	-1.408
100	114	-.366	.154	.193	-1.304
100	115	-.315	.136	.263	-.950
100	116	-.303	.139	.147	-.833
100	117	-.400	.172	.106	-1.395
100	118	-.407	.171	.120	-1.335
100	119	-.388	.163	.104	-1.248
100	120	-.386	.159	.102	-1.219
100	121	-.374	.162	.069	-1.103
100	122	-.366	.155	.097	-1.319
100	123	-.345	.156	.164	-1.219
100	124	-.325	.152	.185	-1.094
100	125	-.324	.162	.171	-.975
100	126	-.448	.189	.087	-1.666
100	127	-.422	.186	.109	-1.816
100	128	-.393	.173	.155	-1.211
100	129	-.372	.168	.176	-1.120
100	130	-.355	.161	.216	-.992
100	131	-.325	.157	.192	-.920
100	132	-.339	.180	.144	-1.341
100	133	-.431	.187	.053	-1.242
100	134	-.444	.188	.039	-1.328
100	135	-.421	.176	.054	-1.164
100	136	-.394	.160	.074	-1.452
100	137	-.377	.155	.121	-1.054
100	138	-.371	.146	.073	-.966
100	139	-.345	.147	.122	-.944
100	140	-.316	.148	.182	-1.162
100	141	-.305	.160	.184	-1.263
100	142	-.497	.165	-.030	-1.160
100	143	-.408	.155	.026	-1.131
100	144	-.415	.158	-.051	-1.193
100	145	-.376	.147	.158	-.997
100	146	-.355	.140	.076	-1.060
100	147	-.311	.133	.063	-.861
100	148	-.317	.128	.086	-1.003
100	149	-.363	.153	.077	-1.099
100	150	-.333	.129	.131	-.869
100	151	-.259	.124	.150	-.641
100	152	-.257	.119	.177	-.780
100	153	-.229	.112	.205	-.667
100	154	-.244	.113	.215	-.662
100	155	-.226	.110	.187	-.670
100	156	-.245	.115	.151	-.730
100	157	-.263	.123	.101	-.820
100	201	-.283	.140	.241	-.919
100	202	-.257	.136	.249	-.719
100	203	-.248	.138	.242	-1.062
100	204	-.254	.161	.347	-1.356
100	205	-.248	.133	.137	-1.096
100	206	-.228	.117	.174	-.848
100	207	-.238	.121	.098	-.715
100	208	-.237	.125	.107	-.781
100	209	-.273	.120	.113	-.826
100	210	-.255	.117	.128	-.915
100	211	-.235	.112	.279	-.722
100	212	-.227	.108	.193	-.664
100	213	-.236	.106	.142	-.607
100	214	-.223	.103	.139	-.563
100	215	-.238	.107	.099	-.717
100	216	-.236	.110	.138	-.782
100	217	-.306	.147	.125	-.873
100	218	-.280	.133	.128	-.734
100	219	-.263	.111	.167	-.716
100	220	-.248	.104	.101	-.689
100	221	-.245	.098	.068	-.676
100	222	-.222	.101	.107	-.734
100	223	-.235	.108	.114	-.685
100	224	-.236	.113	.121	-.679
100	225	-.300	.133	.130	-.807
100	226	-.278	.123	.139	-.737
100	227	-.273	.119	.125	-.924
100	228	-.257	.108	.116	-.644
100	229	-.248	.102	.118	-.579
100	230	-.220	.102	.156	-.599
100	231	-.223	.111	.122	-.823
100	232	-.225	.116	.139	-.862
100	233	-.307	.135	.154	-1.159
100	234	-.281	.131	.200	-.857
100	235	-.281	.125	.181	-.772
100	236	-.275	.118	.117	-.711
100	237	-.258	.113	.109	-.764
100	238	-.209	.110	.142	-.718
100	239	-.219	.120	.148	-.755
100	240	-.218	.123	.163	-.718
100	241	-.325	.138	.079	-.888
100	242	-.310	.135	.092	-.876
100	243	-.296	.121	.042	-.976
100	244	-.292	.121	.035	-.852
100	245	-.266	.116	.094	-.847
100	246	-.200	.109	.200	-.641
100	247	-.199	.139	.270	-.897
100	248	-.198	.140	.303	-1.075
100	249	-.307	.146	.076	-1.235
100	250	-.239	.128	.225	-.819
100	251	-.201	.123	.267	-.677
100	252	-.282	.132	.086	-.809
100	253	-.294	.135	.079	-.868
100	254	-.277	.130	.097	-1.001
100	255	-.282	.154	.180	-1.314
100	256	-.252	.140	.181	-.963
100	257	-.277	.148	.309	-1.015
100	258	-.267	.144	.163	-.895
100	259	-.212	.117	.279	-.708
100	260	-.225	.120	.276	-.882
100	261	-.218	.119	.351	-.696
100	262	-.184	.121	.211	-.665
100	263	-.184	.128	.193	-.760
100	264	-.187	.129	.199	-.655
100	265	-.196	.129	.200	-.663
100	301	-.319	.146	.093	-1.041
100	302	-.281	.153	.178	-.993
100	303	-.308	.158	.231	-1.125
100	304	-.257	.142	.201	-1.084
100	305	-.320	.148	.152	-1.032
100	306	-.287	.143	.142	-.969
100	307	-.258	.138	.113	-1.064
100	308	-.231	.136	.259	-.844

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	309	-.314	.150	.262	-.960
100	310	-.253	.144	.168	-1.084
100	311	-.246	.154	.175	-1.100
100	312	-.244	.159	.246	-1.015
100	313	-.280	.161	.222	-1.324
100	314	-.224	.147	.239	-.895
100	315	-.237	.143	.148	-.819
100	316	-.201	.147	.171	-1.025
100	317	-.257	.149	.199	-.941
100	318	-.210	.146	.244	-1.004
100	319	-.089	.105	.267	-.438
100	320	-.146	.119	.228	-.582
100	321	-.180	.118	.226	-.600
100	322	-.097	.107	.247	-.462
100	323	-.227	.140	.172	-.720
100	324	-.179	.129	.235	-.906
100	325	-.290	.148	.148	-1.117
100	326	-.331	.209	.148	-1.386
100	401	-.225	.136	.214	-.757
100	402	-.350	.156	.171	-1.028
100	403	-.227	.157	.279	-.855
100	404	-.307	.180	.334	-1.185
100	405	-.457	.205	.396	-1.314
100	406	-.866	.228	-.181	-1.895
100	407	-.742	.217	-.167	-1.827
100	408	-.237	.124	.155	-.739
100	409	-.213	.124	.247	-.668
100	410	-.335	.145	.245	-.909
100	411	-.258	.150	.174	-.816
100	412	-.413	.204	.121	-1.267
100	413	-.465	.188	.206	-1.138
100	414	-.750	.219	-.119	-1.505
100	415	-.691	.183	-.122	-1.371
100	416	-.649	.169	-.197	-1.307
100	417	-.215	.148	.240	-1.041
100	418	-.371	.170	.152	-1.188
100	419	-.306	.190	.194	-1.096
100	420	-.448	.196	.195	-1.147
100	421	-.541	.183	.083	-1.314
100	422	-.752	.197	-.167	-1.470
100	423	-.595	.176	-.082	-1.208
100	424	-.208	.146	.214	-1.028
100	425	-.196	.141	.183	-.888
100	426	-.327	.162	.190	-1.089
100	427	-.255	.172	.180	-.917
100	428	-.376	.211	.129	-1.260
100	429	-.412	.189	.125	-1.201
100	430	-.666	.214	-.051	-1.492
100	431	-.601	.181	-.110	-1.454
100	432	-.578	.175	-.073	-1.181

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	433	-.174	.125	.244	-.845
100	434	-.315	.141	.171	-1.289
100	435	-.209	.156	.207	-1.045
100	436	-.272	.187	.190	-.979
100	437	-.396	.211	.248	-1.240
100	438	-.694	.209	-.058	-1.555
100	439	-.546	.184	-.070	-1.240
100	440	-.159	.110	.196	-.545
100	441	-.136	.106	.188	-.561
100	442	-.230	.112	.184	-.760
100	443	-.123	.106	.220	-.579
100	444	-.136	.124	.236	-.740
100	445	-.153	.139	.235	-.928
100	446	-.391	.202	.218	-1.341
100	447	-.447	.206	.068	-1.333
100	448	-.438	.208	.050	-1.545
100	449	-.154	.113	.179	-.603
100	450	-.255	.116	.102	-.775
100	451	-.141	.107	.180	-.577
100	452	-.115	.097	.200	-.443
100	453	-.133	.106	.144	-.484
100	454	-.235	.117	.203	-.706
100	455	-.136	.107	.326	-.517
100	456	.557	.074	.788	.273
100	457	.003	.103	.406	-.390
100	458	-.161	.104	.177	-.557
100	459	-.044	.108	.295	-.572
100	460	-.114	.104	.252	-.494
100	461	-.126	.094	.156	-.461
100	501	-.443	.127	.030	-.959
100	502	-.183	.109	.234	-.561
100	503	-.073	.121	.445	-.461
100	504	-.007	.127	.565	-.471
100	505	-.010	.138	.484	-.378
100	506	.090	.155	.735	-.526
100	507	.253	.179	.925	-.400
100	508	.290	.190	.922	-.485
100	509	-.407	.146	.116	-.935
100	510	-.157	.129	.310	-.554
100	511	.156	.135	.773	-.236
100	512	.329	.146	.972	-.120
100	513	.409	.164	1.012	-.071
100	514	.526	.171	1.026	.059
100	515	.518	.187	1.058	-.050
100	516	.420	.198	.997	-.150
100	517	-.421	.136	.159	-.871
100	518	-.160	.117	.358	-.563
100	519	.124	.125	.553	-.285
100	520	.314	.134	.798	-.123
100	521	.400	.153	.972	-.103

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	522	.503	.163	1.075	-.003
100	523	.448	.180	1.057	-.115
100	524	.321	.187	.970	-.204
100	525	-.422	.142	-.020	-.966
100	526	-.182	.122	.262	-.677
100	527	.101	.117	.493	-.299
100	528	.292	.123	.782	-.150
100	529	.374	.143	.966	-.131
100	530	.474	.148	1.038	-.038
100	531	.422	.165	1.014	-.060
100	532	.309	.179	.929	-.306
100	533	-.430	.156	.062	-1.128
100	534	-.184	.128	.262	-.736
100	535	.086	.122	.596	-.273
100	536	.240	.128	.711	-.157
100	537	.290	.145	.850	-.130
100	538	.370	.153	1.023	-.021
100	539	.368	.162	.857	-.079
100	540	.260	.177	.881	-.253
100	541	-.361	.160	.089	-1.075
100	542	-.177	.125	.205	-.731
100	543	.034	.102	.386	-.392
100	544	.175	.105	.547	-.156
100	545	.176	.111	.553	-.197
100	546	.220	.121	.632	-.187
100	547	.204	.161	.815	-.307
100	548	.143	.178	.823	-.422
100	549	-.365	.166	.098	-1.007
100	550	.073	.104	.534	-.261
100	551	.275	.122	.732	-.094
100	552	.220	.106	.591	-.102
100	553	-.182	.102	.159	-.619
100	554	-.118	.096	.203	-.536
100	555	-.101	.096	.237	-.407
100	556	-.092	.108	.268	-.493
100	557	.240	.136	.721	-.237
100	558	.244	.133	.710	-.203
100	559	.082	.117	.623	-.296
100	560	-.009	.116	.538	-.497
100	601	-.535	.332	.470	-1.657
100	602	-.126	.172	.332	-1.116
100	603	-.326	.136	.070	-1.023
100	604	-.490	.310	.585	-1.585
100	605	-.334	.354	.489	-2.018
100	606	-.321	.168	.137	-1.291
100	607	-.515	.292	.656	-1.836
100	608	-.373	.378	.468	-1.803
100	609	-.330	.184	.193	-1.351
100	610	-.546	.278	.548	-1.574
100	611	-.384	.343	.423	-1.570

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	612	-.378	.176	.064	-1.231
100	613	-.538	.275	.395	-1.415
100	614	-.425	.316	.293	-1.518
100	615	-.342	.167	.100	-1.718
100	616	-.689	.292	.131	-2.473
100	617	-.295	.255	.252	-1.827
100	618	-.369	.142	.102	-.949
100	619	.135	.108	.512	-.336
100	620	.044	.188	.650	-.578
100	621	.161	.117	.608	-.209
100	622	.200	.108	.616	-.134
100	623	.181	.096	.541	-.093
100	624	-.417	.171	.164	-1.460
100	625	-.263	.175	.304	-1.072
100	626	-.267	.135	.173	-.915
100	801	-.095	.107	.305	-.501
100	802	-.160	.111	.269	-.609
100	803	-.056	.101	.323	-.435
100	804	.010	.147	.461	-.656
100	805	-.226	.148	.227	-.793
100	901	-.562	.157	-.121	-1.202
100	902	-.391	.205	.325	-1.266
100	903	-.206	.174	.298	-1.099
100	904	-.422	.174	.227	-1.388
100	905	-.328	.148	.208	-.901
100	906	-.237	.146	.282	-.913
100	907	-.628	.150	-.166	-1.178
100	908	-.556	.155	.138	-1.193
100	909	-.374	.133	.006	-.903
100	910	-.230	.153	.443	-.834
100	911	-.717	.229	-.052	-1.723
100	912	-.958	.238	-.241	-1.743
100	913	-.264	.201	.382	-1.113
100	914	-.229	.157	.311	-1.123
100	915	-.216	.160	.351	-1.057
100	916	-.050	.107	.280	-.459
100	917	-.031	.113	.314	-.401
100	918	.183	.119	.544	-.175
100	919	.152	.101	.472	-.191
100	920	.373	.163	1.054	-.081
100	1001	-.182	.135	.220	-.692
100	1002	-.019	.120	.386	-.446
100	1003	.104	.104	.561	-.268
100	1004	.126	.098	.614	-.273
100	1005	.084	.111	.522	-.308
100	1006	.051	.094	.395	-.298
100	1007	-.027	.092	.355	-.268
100	1008	-.005	.097	.314	-.347
100	1009	-.264	.214	.204	-1.426
100	1010	.017	.110	.414	-.495
100	1011	.091	.103	.429	-.305
100	1012	.127	.097	.430	-.199
100	1013	.082	.106	.396	-.269
100	1014	-.083	.103	.233	-.446
100	1015	.014	.093	.313	-.308
100	1016	.061	.107	.521	-.312
100	1017	-.086	.114	.252	-.689
100	1018	.041	.100	.356	-.308
100	1019	.035	.099	.401	-.347
100	1020	-.027	.111	.341	-.488
100	1021	.041	.106	.421	-.362
100	1022	.001	.105	.393	-.495
100	1023	.033	.098	.331	-.327
100	1024	.048	.094	.365	-.290
100	1101	.076	.105	.429	-.346
100	1102	.197	.121	.705	-.229
100	1103	.181	.104	.564	-.177
100	1104	-.059	.106	.358	-.454
100	1105	.073	.107	.479	-.397
100	1106	-.017	.102	.331	-.396
100	1107	-.136	.097	.188	-.440
100	1108	-.125	.101	.199	-.459
100	1109	-.116	.095	.206	-.428
100	1201	.160	.090	.424	-.162
100	1202	.119	.087	.370	-.201
100	1203	.141	.089	.408	-.179
100	1204	-.045	.087	.252	-.322
100	1205	-.027	.086	.271	-.307
100	1206	-.001	.086	.276	-.327
100	1207	-.066	.083	.202	-.398
100	1208	-.063	.076	.185	-.329
100	1209	-.093	.081	.184	-.356
110	101	-.509	.187	.104	-1.949
110	102	-.499	.192	.089	-1.453
110	103	-.498	.193	.137	-1.743
110	104	-.472	.198	.119	-1.491
110	105	-.482	.203	.129	-1.522
110	106	-.377	.195	.236	-1.485
110	107	-.398	.186	.274	-1.297
110	108	-.380	.187	.170	-1.571
110	109	-.357	.193	.198	-1.262
110	110	-.497	.205	.146	-1.523
110	111	-.451	.202	.115	-1.387
110	112	-.424	.185	.100	-1.832
110	113	-.399	.177	.133	-1.557
110	114	-.403	.165	.173	-1.546
110	115	-.353	.150	.114	-1.075
110	116	-.386	.184	.185	-1.310
110	117	-.445	.215	.099	-1.644
110	118	-.478	.232	.054	-2.239
110	119	-.427	.198	.080	-1.500
110	120	-.407	.190	.048	-1.320
110	121	-.385	.172	.075	-1.328
110	122	-.411	.164	.020	-1.198
110	123	-.385	.160	.041	-1.117
110	124	-.395	.169	.124	-1.037
110	125	-.396	.185	.132	-1.245
110	126	-.464	.200	.110	-1.776
110	127	-.421	.201	.138	-2.381
110	128	-.421	.187	.168	-1.623
110	129	-.404	.177	.109	-1.463
110	130	-.440	.165	.117	-1.162
110	131	-.417	.173	.101	-1.173
110	132	-.409	.192	.079	-1.240
110	133	-.438	.191	.028	-1.794
110	134	-.478	.203	.044	-1.962
110	135	-.428	.183	.104	-1.571
110	136	-.452	.193	.161	-1.542
110	137	-.428	.185	.116	-1.441
110	138	-.446	.173	.079	-1.254
110	139	-.413	.169	.092	-1.207
110	140	-.384	.166	.112	-1.158
110	141	-.377	.179	.137	-1.317
110	142	-.514	.183	-.035	-1.463
110	143	-.425	.174	.005	-1.436
110	144	-.462	.181	.061	-1.476
110	145	-.438	.177	.043	-1.380
110	146	-.452	.174	.063	-1.389
110	147	-.395	.164	.075	-1.602
110	148	-.391	.165	.110	-1.385
110	149	-.359	.181	.141	-1.497
110	150	-.385	.160	.133	-1.150
110	151	-.316	.148	.151	-1.071
110	152	-.315	.145	.097	-1.257
110	153	-.286	.132	.173	-.973
110	154	-.321	.132	.247	-1.190
110	155	-.285	.124	.249	-1.086
110	156	-.295	.121	.083	-.727
110	157	-.306	.123	.077	-.725
110	201	-.371	.172	.096	-1.145
110	202	-.319	.157	.176	-.927
110	203	-.301	.150	.233	-.970
110	204	-.289	.136	.195	-1.044
110	205	-.277	.119	.140	-.731
110	206	-.252	.119	.155	-1.277
110	207	-.255	.124	.280	-.724
110	208	-.250	.123	.318	-.728
110	209	-.336	.152	.145	-.958
110	210	-.313	.140	.136	-.879
110	211	-.292	.128	.199	-.732

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	212	-.279	.117	.123	-.724
110	213	-.279	.113	.114	-.768
110	214	-.262	.110	.101	-.702
110	215	-.269	.112	.053	-.710
110	216	-.267	.114	.091	-.696
110	217	-.380	.167	.102	-.960
110	218	-.352	.149	.080	-.834
110	219	-.309	.124	.187	-.957
110	220	-.279	.109	.117	-.654
110	221	-.264	.101	.122	-.630
110	222	-.245	.101	.158	-.630
110	223	-.255	.100	.060	-.615
110	224	-.252	.102	.076	-.608
110	225	-.389	.169	.026	-1.117
110	226	-.360	.148	.032	-.940
110	227	-.314	.120	.080	-.778
110	228	-.279	.107	.053	-.742
110	229	-.258	.101	.299	-.704
110	230	-.237	.099	.136	-.660
110	231	-.235	.104	.094	-.584
110	232	-.233	.105	.099	-.586
110	233	-.385	.165	.121	-1.009
110	234	-.339	.151	.146	-2.045
110	235	-.342	.134	.059	-.821
110	236	-.309	.118	.015	-.794
110	237	-.274	.108	.053	-.720
110	238	-.243	.102	.109	-.612
110	239	-.236	.104	.107	-.665
110	240	-.233	.105	.143	-.670
110	241	-.363	.147	.008	-.966
110	242	-.350	.141	.039	-.941
110	243	-.352	.135	.016	-.966
110	244	-.340	.138	.022	-1.074
110	245	-.291	.124	.123	-.917
110	246	-.244	.106	.116	-.612
110	247	-.252	.128	.126	-.880
110	248	-.250	.128	.132	-.840
110	249	-.356	.159	.074	-1.367
110	250	-.299	.139	.252	-1.114
110	251	-.253	.121	.124	-.904
110	252	-.331	.130	.009	-.839
110	253	-.336	.133	.015	-.850
110	254	-.317	.128	.023	-.813
110	255	-.329	.150	.068	-1.330
110	256	-.304	.138	.176	-.891
110	257	-.312	.147	.173	-.910
110	258	-.310	.146	.070	-1.037
110	259	-.267	.119	.179	-.714
110	260	-.273	.123	.135	-.775
110	261	-.267	.125	.311	-.811
110	262	-.236	.119	.130	-.741
110	263	-.233	.118	.145	-.701
110	264	-.225	.117	.186	-.644
110	265	-.232	.118	.183	-.653
110	301	-.308	.142	.156	-1.052
110	302	-.266	.136	.142	-1.035
110	303	-.295	.136	.110	-.909
110	304	-.263	.131	.136	-.893
110	305	-.318	.134	.088	-1.002
110	306	-.273	.126	.132	-.848
110	307	-.259	.120	.123	-1.002
110	308	-.233	.122	.145	-1.013
110	309	-.300	.129	.119	-1.388
110	310	-.252	.125	.164	-.960
110	311	-.238	.112	.122	-.835
110	312	-.219	.108	.128	-.782
110	313	-.289	.125	.093	-.923
110	314	-.234	.115	.185	-.736
110	315	-.215	.099	.100	-.555
110	316	-.218	.112	.152	-.866
110	317	-.271	.119	.136	-.862
110	318	-.224	.113	.165	-.719
110	319	-.229	.099	.277	-.366
110	320	-.274	.111	.276	-.421
110	321	-.110	.110	.234	-.459
110	322	-.033	.100	.280	-.361
110	323	-.136	.124	.244	-.546
110	324	-.206	.117	.171	-.666
110	325	-.333	.135	.066	-.993
110	326	-.349	.170	.066	-1.179
110	401	-.191	.106	.157	-.581
110	402	-.288	.111	.074	-.678
110	403	-.162	.104	.164	-.633
110	404	-.195	.127	.175	-1.036
110	405	-.262	.167	.268	-1.113
110	406	-.720	.227	-.097	-1.763
110	407	-.640	.206	-.054	-1.699
110	408	-.195	.093	.139	-.549
110	409	-.156	.088	.207	-.444
110	410	-.240	.098	.108	-.626
110	411	-.131	.097	.202	-.576
110	412	-.151	.149	.403	-.923
110	413	-.180	.181	.503	-.904
110	414	-.403	.248	.483	-1.418
110	415	-.526	.199	.539	-1.161
110	416	-.564	.182	.145	-1.288
110	417	-.149	.095	.159	-.594
110	418	-.283	.109	.083	-.800
110	419	-.142	.116	.203	-.771
110	420	-.187	.181	.277	-1.052
110	421	-.320	.233	.349	-1.169
110	422	-.677	.188	.115	-1.422
110	423	-.533	.165	-.038	-1.121
110	424	-.164	.106	.222	-.791
110	425	-.150	.107	.236	-.779
110	426	-.238	.120	.174	-.945
110	427	-.140	.128	.233	-.794
110	428	-.157	.132	.267	-.906
110	429	-.186	.174	.280	-.794
110	430	-.416	.237	.207	-1.140
110	431	-.493	.178	.040	-1.023
110	432	-.508	.167	-.062	-1.162
110	433	-.154	.096	.169	-.540
110	434	-.279	.104	.089	-.752
110	435	-.115	.100	.241	-.734
110	436	-.131	.141	.244	-.812
110	437	-.210	.196	.291	-.976
110	438	-.548	.204	.147	-1.291
110	439	-.429	.171	.093	-1.038
110	440	-.165	.104	.150	-.541
110	441	-.133	.100	.148	-.455
110	442	-.202	.102	.114	-.553
110	443	-.094	.095	.196	-.451
110	444	-.070	.097	.210	-.548
110	445	-.049	.106	.284	-.535
110	446	-.205	.148	.222	-.879
110	447	-.242	.169	.228	-.954
110	448	-.300	.151	.130	-.982
110	449	-.167	.098	.248	-.644
110	450	-.222	.114	.205	-.725
110	451	-.079	.103	.269	-.468
110	452	-.051	.091	.230	-.337
110	453	-.053	.109	.323	-.463
110	454	-.269	.112	.089	-.792
110	455	-.172	.101	.204	-.501
110	456	-.567	.067	.805	-.329
110	457	-.041	.093	.393	-.333
110	458	-.131	.094	.169	-.456
110	459	-.002	.096	.338	-.404
110	460	-.023	.108	.345	-.420
110	461	-.053	.099	.307	-.385
110	501	-.326	.133	.131	-.845
110	502	-.089	.118	.290	-.567
110	503	-.009	.121	.569	-.414
110	504	.052	.123	.521	-.318
110	505	.040	.131	.542	-.402
110	506	.139	.143	.740	-.412
110	507	.240	.179	.825	-.391
110	508	.207	.184	.811	-.490
110	509	.295	.149	.223	-.804

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	510	-.034	.134	.444	-.512
110	511	.242	.137	.808	-.198
110	512	.378	.145	.941	-.099
110	513	.427	.162	1.001	-.155
110	514	.491	.172	1.148	-.096
110	515	.401	.186	.992	-.208
110	516	.254	.177	.983	-.302
110	517	-.298	.137	.377	-.949
110	518	-.045	.122	.636	-.470
110	519	.224	.122	.699	-.172
110	520	.383	.135	.940	-.034
110	521	.438	.153	.981	-.017
110	522	.478	.159	1.021	.017
110	523	.380	.146	.880	-.078
110	524	.220	.150	.726	-.282
110	525	-.299	.137	.135	-.776
110	526	-.061	.120	.370	-.484
110	527	.201	.124	.701	-.165
110	528	.356	.133	.824	-.019
110	529	.405	.151	.926	-.044
110	530	.443	.153	1.051	-.034
110	531	.330	.164	.944	-.156
110	532	.183	.161	.834	-.348
110	533	-.293	.152	.218	-.798
110	534	-.059	.128	.432	-.479
110	535	.189	.122	.836	-.156
110	536	.313	.127	.900	-.071
110	537	.335	.141	.945	-.109
110	538	.364	.143	.927	-.166
110	539	.241	.154	.740	-.274
110	540	.111	.155	.632	-.474
110	541	-.192	.119	.209	-.686
110	542	-.052	.098	.313	-.457
110	543	.099	.102	.423	-.241
110	544	.207	.106	.626	-.121
110	545	.170	.114	.608	-.189
110	546	.175	.123	.686	-.246
110	547	.096	.131	.747	-.322
110	548	-.000	.147	.675	-.493
110	549	-.192	.128	.214	-.680
110	550	.157	.105	.567	-.194
110	551	.311	.121	.756	-.108
110	552	.190	.101	.602	-.168
110	553	-.090	.106	.226	-.462
110	554	-.032	.099	.269	-.378
110	555	-.014	.095	.310	-.323
110	556	.007	.103	.342	-.380
110	557	.231	.136	.836	-.216
110	558	.251	.131	.853	-.199
110	559	.076	.123	.593	-.322
110	560	-.022	.123	.457	-.452
110	601	-.733	.301	.210	-2.397
110	602	-.460	.260	.220	-1.602
110	603	-.419	.176	.079	-1.284
110	604	-.627	.242	-.035	-1.786
110	605	-.630	.330	.190	-2.414
110	606	-.461	.215	.140	-1.666
110	607	-.578	.264	.056	-1.620
110	608	-.563	.289	.268	-1.871
110	609	-.448	.226	.140	-1.755
110	610	-.557	.254	-.013	-1.831
110	611	-.526	.268	.185	-1.824
110	612	-.453	.214	.206	-1.827
110	613	-.576	.236	-.002	-1.646
110	614	-.522	.256	.203	-1.767
110	615	-.420	.208	.126	-1.709
110	616	-.738	.279	.181	-1.891
110	617	-.474	.261	.150	-1.635
110	618	-.443	.209	.068	-1.726
110	619	.122	.111	.538	-.260
110	620	-.068	.141	.486	-.737
110	621	.104	.124	.591	-.262
110	622	.229	.143	.855	-.177
110	623	.199	.114	.610	-.147
110	624	-.510	.207	.123	-1.803
110	625	-.379	.203	.223	-1.590
110	626	-.298	.168	.170	-1.306
110	801	-.011	.102	.346	-.312
110	802	-.078	.106	.315	-.415
110	803	.020	.101	.382	-.291
110	804	.096	.145	.527	-.796
110	805	-.123	.165	.349	-.790
110	901	-.518	.185	.077	-1.251
110	902	-.431	.210	.224	-1.260
110	903	-.330	.196	.270	-1.467
110	904	-.443	.209	.287	-1.382
110	905	-.373	.173	.398	-1.123
110	906	-.273	.177	.458	-.961
110	907	-.582	.156	-.035	-1.288
110	908	-.512	.175	.003	-1.299
110	909	-.376	.146	.183	-.905
110	910	-.342	.168	.198	-1.102
110	911	-.607	.190	-.034	-1.593
110	912	-.749	.233	.007	-1.885
110	913	-.476	.226	.366	-1.299
110	914	-.395	.195	.238	-1.251
110	915	-.377	.196	.303	-1.070
110	916	.030	.095	.406	-.320
110	917	.057	.105	.454	-.305
110	918	.247	.114	.701	-.128
110	919	.139	.106	.540	-.264
110	920	.414	.182	1.453	-.117
110	1001	-.139	.137	.251	-.731
110	1002	.003	.109	.360	-.494
110	1003	.104	.104	.449	-.235
110	1004	.143	.101	.501	-.182
110	1005	.110	.110	.535	-.299
110	1006	.105	.095	.430	-.206
110	1007	.051	.083	.311	-.229
110	1008	.057	.089	.322	-.334
110	1009	-.123	.120	.241	-.938
110	1010	-.011	.093	.279	-.344
110	1011	.065	.101	.444	-.254
110	1012	.134	.100	.505	-.241
110	1013	.082	.106	.477	-.230
110	1014	-.029	.091	.283	-.352
110	1015	.041	.085	.303	-.236
110	1016	.090	.095	.330	-.273
110	1017	-.089	.095	.216	-.497
110	1018	-.011	.087	.253	-.287
110	1019	-.003	.089	.284	-.303
110	1020	-.037	.102	.276	-.436
110	1021	.045	.096	.389	-.304
110	1022	-.012	.094	.316	-.379
110	1023	-.009	.093	.282	-.330
110	1024	.045	.090	.402	-.289
110	1101	.098	.127	.544	-.447
110	1102	.225	.121	.853	-.172
110	1103	.133	.106	.455	-.184
110	1104	-.046	.109	.312	-.505
110	1105	.089	.115	.522	-.405
110	1106	.054	.098	.389	-.330
110	1107	-.162	.090	.103	-.508
110	1108	-.140	.093	.204	-.529
110	1109	-.133	.087	.127	-.482
110	1201	.169	.092	.563	-.080
110	1202	.132	.090	.518	-.127
110	1203	.158	.091	.466	-.161
110	1204	-.001	.082	.245	-.344
110	1205	.016	.080	.257	-.325
110	1206	.029	.082	.317	-.266
110	1207	-.052	.081	.205	-.364
110	1208	-.035	.077	.200	-.340
110	1209	-.071	.083	.187	-.389
120	101	-.416	.177	.110	-1.271
120	102	-.429	.176	.122	-1.360
120	103	-.441	.164	-.003	-1.770
120	104	-.414	.172	.118	-1.338
120	105	-.479	.181	.195	-1.235
120	106	-.351	.154	.308	-1.127

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	107	-.423	.170	.295	-1.415
120	108	-.438	.165	.086	-1.124
120	109	-.432	.185	.097	-1.336
120	110	-.454	.179	.089	-1.903
120	111	-.396	.172	.105	-2.119
120	112	-.380	.149	.000	-1.371
120	113	-.370	.141	.022	-1.367
120	114	-.445	.144	-.035	-1.374
120	115	-.415	.151	.006	-1.114
120	116	-.440	.173	.056	-1.259
120	117	-.372	.159	.119	-1.523
120	118	-.433	.168	.082	-1.749
120	119	-.379	.152	.100	-1.367
120	120	-.391	.141	.043	-1.235
120	121	-.387	.133	.055	-.895
120	122	-.455	.136	.002	-.977
120	123	-.421	.132	-.008	-.901
120	124	-.443	.146	.058	-1.055
120	125	-.435	.150	.040	-1.249
120	126	-.446	.148	.030	-1.303
120	127	-.392	.144	.080	-1.865
120	128	-.381	.146	-.005	-1.459
120	129	-.375	.140	.045	-1.195
120	130	-.460	.144	-.005	-1.262
120	131	-.435	.154	.032	-1.380
120	132	-.461	.174	-.015	-1.323
120	133	-.417	.173	.106	-1.390
120	134	-.481	.184	.121	-1.817
120	135	-.420	.167	.193	-1.405
120	136	-.421	.154	.023	-1.357
120	137	-.411	.147	.015	-1.363
120	138	-.478	.147	-.040	-1.210
120	139	-.437	.145	.016	-.979
120	140	-.418	.143	.029	-1.079
120	141	-.409	.150	.070	-1.047
120	142	-.483	.170	.021	-1.439
120	143	-.396	.160	.047	-1.472
120	144	-.448	.160	.093	-1.223
120	145	-.431	.158	.074	-1.347
120	146	-.501	.159	.002	-1.166
120	147	-.450	.159	.018	-1.317
120	148	-.458	.161	-.100	-1.450
120	149	-.391	.190	.213	-1.735
120	150	-.444	.176	.139	-1.431
120	151	-.375	.162	.194	-1.072
120	152	-.376	.161	.150	-1.162
120	153	-.355	.151	.112	-1.060
120	154	-.416	.153	.051	-1.129
120	155	-.369	.142	.069	-.980
120	156	-.386	.139	.000	-.917
120	157	-.384	.137	-.008	-.919
120	201	-.458	.167	.151	-1.081
120	202	-.383	.149	.147	-.933
120	203	-.368	.144	.083	-1.482
120	204	-.351	.137	.052	-.995
120	205	-.317	.129	.109	-.884
120	206	-.303	.134	.176	-.912
120	207	-.303	.130	.097	-.816
120	208	-.297	.129	.104	-.794
120	209	-.382	.142	.056	-.898
120	210	-.364	.130	.055	-.839
120	211	-.330	.115	.079	-.776
120	212	-.303	.111	.108	-.777
120	213	-.289	.110	.128	-.716
120	214	-.279	.111	.132	-.768
120	215	-.289	.120	.097	-.734
120	216	-.286	.120	.113	-.738
120	217	-.393	.135	.066	-.906
120	218	-.365	.126	.068	-.755
120	219	-.336	.105	.117	-.786
120	220	-.302	.099	.024	-.662
120	221	-.289	.094	.027	-.600
120	222	-.278	.097	.042	-.595
120	223	-.273	.112	.059	-.665
120	224	-.271	.112	.079	-.660
120	225	-.412	.148	.028	-1.206
120	226	-.383	.136	.073	-1.066
120	227	-.355	.111	.108	-.753
120	228	-.317	.105	.072	-.689
120	229	-.303	.104	.067	-.741
120	230	-.293	.103	.071	-.680
120	231	-.288	.098	.060	-.608
120	232	-.284	.098	.049	-.604
120	233	-.430	.130	-.048	-1.105
120	234	-.376	.123	.071	-.787
120	235	-.419	.140	.025	-.900
120	236	-.377	.132	.039	-.808
120	237	-.350	.127	.025	-.872
120	238	-.333	.121	.054	-.753
120	239	-.299	.104	.120	-.665
120	240	-.296	.104	.113	-.655
120	241	-.407	.137	.076	-1.147
120	242	-.398	.131	.077	-1.098
120	243	-.403	.127	-.072	-.944
120	244	-.385	.127	.005	-.937
120	245	-.358	.120	.047	-.795
120	246	-.340	.113	.057	-.779
120	247	-.351	.117	.073	-.787
120	248	-.347	.116	.084	-.792
120	249	-.417	.148	.044	-1.513
120	250	-.387	.130	.077	-.906
120	251	-.375	.120	.054	-.845
120	252	-.411	.138	-.019	-1.034
120	253	-.415	.139	-.016	-1.009
120	254	-.401	.135	.000	-.949
120	255	-.397	.132	-.034	-1.174
120	256	-.381	.123	-.027	-1.004
120	257	-.388	.132	.130	-1.093
120	258	-.389	.131	-.031	-1.406
120	259	-.362	.120	.019	-.910
120	260	-.361	.121	.021	-.930
120	261	-.360	.120	.013	-.929
120	262	-.346	.121	.017	-.905
120	263	-.338	.117	.108	-.720
120	264	-.327	.114	.093	-.711
120	265	-.332	.115	.107	-.720
120	301	-.351	.144	.111	-1.181
120	302	-.305	.136	.165	-.816
120	303	-.307	.121	.058	-.818
120	304	-.260	.107	.082	-.629
120	305	-.310	.110	.050	-.701
120	306	-.262	.105	.045	-.667
120	307	-.276	.098	.068	-.736
120	308	-.243	.096	.089	-.609
120	309	-.304	.100	.051	-.686
120	310	-.280	.101	.146	-.758
120	311	-.263	.099	.057	-.618
120	312	-.241	.096	.082	-.599
120	313	-.342	.113	.013	-1.064
120	314	-.281	.103	.088	-.682
120	315	-.284	.098	.012	-.576
120	316	-.304	.106	.002	-.842
120	317	-.362	.109	-.037	-.704
120	318	-.312	.105	.012	-.656
120	319	.020	.093	.312	-.366
120	320	-.017	.102	.284	-.406
120	321	-.055	.102	.237	-.438
120	322	.017	.093	.301	-.353
120	323	-.064	.128	.336	-.594
120	324	-.297	.117	.047	-.873
120	325	-.443	.143	-.023	-1.067
120	326	-.442	.171	.019	-1.237
120	401	-.240	.106	.085	-.599
120	402	-.181	.098	.128	-.517
120	403	-.143	.099	.167	-.569
120	404	-.135	.100	.210	-.549
120	405	-.157	.124	.271	-.682
120	406	-.373	.189	.112	-1.065
120	407	-.462	.177	.069	-1.235
120	408	-.194	.094	.083	-.514

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	409	-.163	.092	.118	-.460
120	410	-.102	.091	.243	-.452
120	411	-.075	.093	.272	-.393
120	412	-.049	.114	.314	-.619
120	413	-.052	.142	.336	-.697
120	414	-.090	.185	.388	-.821
120	415	-.376	.212	.331	-1.027
120	416	-.369	.187	.357	-1.007
120	417	-.163	.090	.137	-.452
120	418	-.157	.091	.161	-.495
120	419	-.072	.091	.218	-.445
120	420	-.038	.110	.378	-.749
120	421	-.097	.194	.479	-.956
120	422	-.344	.197	.532	-1.030
120	423	-.345	.179	.404	-.962
120	424	-.160	.088	.138	-.452
120	425	-.166	.090	.136	-.488
120	426	-.102	.088	.199	-.447
120	427	-.076	.092	.255	-.477
120	428	-.040	.106	.359	-.556
120	429	-.048	.134	.432	-.546
120	430	-.098	.186	.496	-.834
120	431	-.323	.206	.424	-1.138
120	432	-.350	.188	.242	-1.077
120	433	-.207	.094	.097	-.525
120	434	-.186	.093	.108	-.470
120	435	-.082	.091	.271	-.390
120	436	-.053	.100	.360	-.539
120	437	-.092	.158	.450	-.754
120	438	-.303	.182	.377	-1.029
120	439	-.323	.165	.311	-1.138
120	440	-.206	.099	.114	-.593
120	441	-.187	.100	.152	-.590
120	442	-.116	.089	.212	-.467
120	443	-.093	.090	.239	-.446
120	444	-.055	.088	.279	-.396
120	445	-.038	.093	.334	-.535
120	446	-.056	.108	.326	-.576
120	447	-.169	.150	.244	-.752
120	448	-.202	.131	.168	-.871
120	449	-.236	.102	.126	-.663
120	450	-.110	.104	.211	-.536
120	451	-.038	.096	.326	-.402
120	452	-.020	.098	.266	-.412
120	453	-.010	.107	.339	-.349
120	454	-.221	.095	.080	-.541
120	455	-.213	.098	.168	-.542
120	456	.588	.067	.816	.318
120	457	.034	.094	.383	-.279
120	458	-.042	.087	.233	-.343
120	459	.018	.095	.365	-.319
120	460	.025	.099	.370	-.364
120	461	-.035	.096	.341	-.418
120	501	-.101	.123	.333	-.509
120	502	.013	.121	.395	-.432
120	503	.064	.127	.513	-.332
120	504	.115	.130	.676	-.295
120	505	.103	.142	.547	-.371
120	506	.183	.152	.710	-.360
120	507	.192	.165	.760	-.371
120	508	.138	.159	.653	-.394
120	509	-.109	.159	.478	-.584
120	510	.108	.143	.700	-.315
120	511	.337	.148	.858	-.117
120	512	.437	.155	.995	-.040
120	513	.454	.168	1.032	-.056
120	514	.475	.168	.976	-.035
120	515	.344	.161	.919	-.136
120	516	.202	.150	.771	-.361
120	517	-.127	.163	.414	-.692
120	518	.093	.139	.594	-.368
120	519	.329	.133	.940	-.201
120	520	.458	.140	.985	-.078
120	521	.484	.152	.966	-.051
120	522	.486	.149	1.000	-.119
120	523	.313	.151	.968	-.140
120	524	.171	.140	.744	-.347
120	525	-.138	.155	.375	-.676
120	526	.065	.136	.641	-.341
120	527	.281	.131	.730	-.167
120	528	.392	.136	.846	-.042
120	529	.404	.150	.882	-.046
120	530	.409	.147	.952	-.058
120	531	.287	.151	.864	-.204
120	532	.148	.141	.694	-.404
120	533	-.147	.148	.372	-.616
120	534	.063	.124	.541	-.365
120	535	.261	.116	.695	-.103
120	536	.359	.120	.829	.042
120	537	.353	.134	.891	-.025
120	538	.349	.137	.882	-.050
120	539	.202	.143	.839	-.347
120	540	.079	.140	.634	-.514
120	541	-.116	.117	.432	-.541
120	542	.011	.104	.569	-.350
120	543	.136	.095	.549	-.152
120	544	.231	.104	.634	-.090
120	545	.184	.111	.627	-.143
120	546	.174	.118	.790	-.152
120	547	.073	.115	.479	-.344
120	548	-.023	.122	.416	-.539
120	549	-.119	.126	.227	-.628
120	550	.197	.102	.581	-.124
120	551	.330	.137	.981	-.007
120	552	.182	.106	.562	-.211
120	553	-.053	.099	.302	-.398
120	554	.002	.092	.334	-.325
120	555	.033	.093	.415	-.295
120	556	.057	.097	.483	-.255
120	557	.204	.136	.818	-.263
120	558	.274	.127	.818	-.193
120	559	.136	.116	.563	-.234
120	560	.038	.117	.444	-.338
120	601	-.457	.191	.014	-1.750
120	602	-.446	.180	.015	-1.578
120	603	-.418	.178	.137	-1.409
120	604	-.383	.166	.034	-1.367
120	605	-.457	.181	-.017	-1.515
120	606	-.436	.207	.179	-2.134
120	607	-.388	.186	.012	-1.819
120	608	-.405	.196	-.013	-2.437
120	609	-.407	.183	.044	-1.826
120	610	-.381	.146	-.021	-1.553
120	611	-.385	.155	.013	-1.955
120	612	-.399	.158	.036	-2.065
120	613	-.421	.153	-.082	-1.557
120	614	-.401	.153	-.078	-1.332
120	615	-.395	.161	.002	-2.087
120	616	-.452	.195	-.025	-1.753
120	617	-.432	.187	.038	-1.834
120	618	-.403	.173	.007	-1.649
120	619	.093	.110	.463	-.431
120	620	.006	.114	.442	-.509
120	621	.056	.117	.442	-.284
120	622	.238	.145	.844	-.135
120	623	.181	.118	.590	-.178
120	624	-.367	.172	.078	-1.175
120	625	-.358	.177	.081	-1.342
120	626	-.330	.146	.172	-1.074
120	801	.048	.107	.440	-.293
120	802	-.028	.112	.386	-.391
120	803	.067	.106	.453	-.291
120	804	.176	.118	.621	-.420
120	805	-.044	.152	.415	-.650
120	901	-.510	.195	-.024	-1.387
120	902	-.452	.191	.071	-1.148
120	903	-.430	.201	.235	-1.544
120	904	-.470	.209	.101	-1.447
120	905	-.422	.191	.115	-1.138
120	906	-.337	.192	.322	-1.126

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	907	-.561	.182	.049	-1.261
120	908	-.512	.195	.071	-1.434
120	909	-.434	.165	.096	-1.212
120	910	-.438	.180	.156	-1.112
120	911	-.569	.201	.003	-2.035
120	912	-.545	.216	-.096	-1.726
120	913	-.510	.201	.431	-1.380
120	914	-.452	.179	.439	-1.347
120	915	-.485	.186	.125	-1.323
120	916	.099	.106	.429	-.238
120	917	.118	.122	.618	-.254
120	918	.318	.135	.812	-.142
120	919	.147	.121	.584	-.192
120	920	.376	.172	1.046	-.103
120	1001	-.135	.131	.262	-.985
120	1002	.022	.115	.405	-.441
120	1003	.121	.106	.481	-.198
120	1004	.164	.102	.490	-.156
120	1005	.143	.111	.502	-.221
120	1006	.155	.102	.487	-.150
120	1007	.076	.098	.436	-.264
120	1008	.092	.104	.478	-.299
120	1009	-.115	.126	.266	-.943
120	1010	.002	.108	.323	-.465
120	1011	.077	.098	.388	-.263
120	1012	.149	.099	.538	-.205
120	1013	.096	.106	.448	-.288
120	1014	.006	.102	.350	-.379
120	1015	.051	.090	.406	-.265
120	1016	.108	.097	.468	-.206
120	1017	-.091	.104	.272	-.462
120	1018	-.029	.095	.302	-.397
120	1019	-.018	.095	.329	-.338
120	1020	-.043	.106	.324	-.437
120	1021	.044	.098	.418	-.317
120	1022	-.018	.097	.324	-.412
120	1023	-.016	.090	.306	-.309
120	1024	.052	.087	.335	-.226
120	1101	.115	.137	.621	-.477
120	1102	.278	.137	.945	-.155
120	1103	.150	.119	.594	-.246
120	1104	-.035	.112	.356	-.573
120	1105	.094	.128	.547	-.310
120	1106	.108	.103	.575	-.258
120	1107	-.185	.089	.126	-.567
120	1108	-.166	.094	.176	-.469
120	1109	-.146	.086	.182	-.423
120	1201	.175	.103	.528	-.139
120	1202	.142	.097	.472	-.161
120	1203	.172	.097	.497	-.161

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	1204	.025	.092	.401	-.285
120	1205	.042	.088	.398	-.252
120	1206	.060	.088	.436	-.251
120	1207	-.045	.079	.243	-.339
120	1208	-.022	.078	.245	-.331
120	1209	-.076	.081	.210	-.377
130	101	-.363	.134	.063	-1.358
130	102	-.358	.145	.037	-1.590
130	103	-.418	.135	-.053	-.966
130	104	-.341	.131	.023	-1.195
130	105	-.424	.136	.005	-1.342
130	106	-.346	.128	.072	-.828
130	107	-.374	.126	.053	-1.069
130	108	-.396	.139	.208	-1.066
130	109	-.391	.151	.194	-1.010
130	110	-.392	.125	.070	-1.088
130	111	-.332	.119	.116	-1.220
130	112	-.328	.116	.083	-.829
130	113	-.321	.114	.017	-1.068
130	114	-.412	.126	.035	-1.125
130	115	-.381	.131	.104	-1.129
130	116	-.400	.130	.033	-1.024
130	117	-.318	.109	.109	-.941
130	118	-.391	.113	.054	-1.000
130	119	-.335	.105	.094	-.755
130	120	-.342	.106	.017	-.998
130	121	-.335	.104	.039	-.823
130	122	-.419	.111	-.033	-.919
130	123	-.369	.108	.012	-.839
130	124	-.390	.123	-.033	-.948
130	125	-.386	.127	-.020	-1.155
130	126	-.399	.118	.034	-.823
130	127	-.343	.112	.069	-.854
130	128	-.366	.105	-.021	-.762
130	129	-.361	.105	-.018	-.794
130	130	-.456	.114	-.107	-.979
130	131	-.423	.119	-.076	-.982
130	132	-.447	.127	-.071	-.970
130	133	-.378	.113	-.050	-.933
130	134	-.455	.119	-.117	-1.095
130	135	-.394	.110	-.071	-.922
130	136	-.404	.107	.043	-.818
130	137	-.395	.106	.024	-.807
130	138	-.479	.111	-.084	-.899
130	139	-.428	.109	-.055	-.838
130	140	-.426	.122	-.070	-.961
130	141	-.414	.126	-.047	-1.050
130	142	-.466	.140	-.008	-1.275
130	143	-.379	.129	.059	-1.099
130	144	-.416	.112	-.097	-.989

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	145	-.401	.110	-.088	-.865
130	146	-.489	.117	-.143	-.939
130	147	-.433	.116	-.081	-.989
130	148	-.424	.112	-.089	-.894
130	149	-.357	.154	.084	-1.398
130	150	-.426	.145	.004	-1.287
130	151	-.357	.133	.094	-1.043
130	152	-.363	.128	.061	-1.044
130	153	-.349	.121	.025	-1.246
130	154	-.423	.124	-.046	-1.105
130	155	-.370	.116	-.028	-1.028
130	156	-.382	.128	.070	-.876
130	157	-.368	.125	.073	-.801
130	201	-.426	.144	-.003	-1.023
130	202	-.351	.133	.052	-.869
130	203	-.346	.120	.070	-.818
130	204	-.325	.118	.025	-.774
130	205	-.306	.120	.067	-.808
130	206	-.312	.123	.072	-.835
130	207	-.311	.127	.086	-.850
130	208	-.305	.126	.093	-.827
130	209	-.363	.116	-.004	-.816
130	210	-.349	.114	.010	-.791
130	211	-.328	.113	.057	-.732
130	212	-.305	.111	.119	-.721
130	213	-.299	.111	.087	-.709
130	214	-.300	.112	.088	-.697
130	215	-.299	.110	.064	-.854
130	216	-.296	.111	.084	-.856
130	217	-.375	.110	-.028	-.870
130	218	-.351	.103	-.022	-.785
130	219	-.316	.103	.041	-.756
130	220	-.289	.101	-.008	-.756
130	221	-.283	.100	.021	-.724
130	222	-.285	.105	.026	-.749
130	223	-.289	.106	.090	-.610
130	224	-.287	.107	.081	-.606
130	225	-.389	.117	.019	-.803
130	226	-.369	.111	.025	-.783
130	227	-.353	.102	-.011	-.746
130	228	-.326	.101	-.029	-.695
130	229	-.313	.101	-.010	-.665
130	230	-.315	.099	-.020	-.659
130	231	-.318	.101	.032	-.663
130	232	-.316	.101	.028	-.656
130	233	-.426	.111	-.032	-.817
130	234	-.385	.109	-.036	-.766
130	235	-.402	.107	-.037	-.864
130	236	-.378	.105	-.021	-.839
130	237	-.367	.103	-.023	-.796

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	238	-.366	.103	.010	-.764
130	239	-.349	.103	.015	-.697
130	240	-.348	.104	.015	-.679
130	241	-.404	.110	-.062	-.812
130	242	-.404	.109	-.054	-.816
130	243	-.401	.114	-.061	-.847
130	244	-.391	.112	-.047	-.845
130	245	-.381	.109	-.051	-.795
130	246	-.380	.107	-.053	-.812
130	247	-.396	.113	-.028	-.838
130	248	-.390	.113	-.021	-.823
130	249	-.379	.117	-.015	-.894
130	250	-.377	.114	.008	-.828
130	251	-.367	.108	-.026	-.945
130	252	-.379	.115	-.025	-.867
130	253	-.377	.115	-.023	-.812
130	254	-.375	.111	-.022	-.808
130	255	-.387	.106	.053	-.909
130	256	-.372	.103	.067	-.701
130	257	-.377	.104	.010	-.699
130	258	-.379	.104	-.004	-.723
130	259	-.375	.103	-.025	-.723
130	260	-.376	.103	-.030	-.706
130	261	-.369	.103	-.021	-.707
130	262	-.363	.105	-.036	-.726
130	263	-.350	.113	.050	-.768
130	264	-.337	.113	.030	-.783
130	265	-.337	.114	.037	-.789
130	301	-.361	.139	.062	-1.009
130	302	-.307	.129	.162	-.876
130	303	-.327	.124	.106	-.788
130	304	-.289	.116	.037	-.720
130	305	-.343	.118	.025	-.762
130	306	-.287	.113	.069	-.693
130	307	-.289	.102	.012	-.677
130	308	-.254	.098	.048	-.623
130	309	-.318	.103	.005	-.708
130	310	-.306	.101	.048	-.663
130	311	-.295	.102	.091	-.637
130	312	-.272	.100	.090	-.584
130	313	-.407	.115	.027	-.990
130	314	-.341	.108	.040	-.867
130	315	-.347	.101	.108	-.701
130	316	-.359	.107	.041	-.810
130	317	-.426	.112	.022	-.875
130	318	-.371	.108	.062	-.802
130	319	.072	.104	.370	-.366
130	320	.039	.111	.374	-.393
130	321	-.003	.111	.341	-.476
130	322	.067	.105	.421	-.353
130	323	.020	.132	.464	-.497
130	324	-.323	.117	.044	-.756
130	325	-.479	.141	-.065	-.979
130	326	-.468	.166	-.002	-1.160
130	401	-.239	.108	.114	-.626
130	402	-.170	.105	.189	-.504
130	403	-.095	.106	.246	-.416
130	404	-.071	.116	.339	-.422
130	405	-.061	.124	.314	-.594
130	406	-.199	.183	.277	-.953
130	407	-.318	.176	.272	-1.048
130	408	-.191	.095	.139	-.508
130	409	-.129	.095	.247	-.482
130	410	-.058	.099	.354	-.391
130	411	-.007	.104	.436	-.357
130	412	.077	.127	.595	-.315
130	413	.104	.133	.651	-.384
130	414	.103	.152	.691	-.580
130	415	-.078	.254	.800	-.880
130	416	-.208	.195	.399	-.963
130	417	-.155	.098	.138	-.446
130	418	-.151	.101	.169	-.449
130	419	-.013	.103	.319	-.334
130	420	.067	.105	.433	-.348
130	421	.102	.144	.515	-.609
130	422	-.146	.210	.533	-.847
130	423	-.158	.182	.501	-.792
130	424	-.146	.092	.203	-.444
130	425	-.131	.096	.224	-.496
130	426	-.054	.100	.298	-.396
130	427	-.003	.104	.366	-.348
130	428	.043	.111	.403	-.441
130	429	.072	.121	.424	-.577
130	430	.044	.155	.472	-.943
130	431	-.133	.221	.463	-.893
130	432	-.162	.202	.433	-.865
130	433	-.224	.101	.103	-.597
130	434	-.200	.103	.185	-.548
130	435	-.048	.105	.386	-.431
130	436	.026	.111	.407	-.508
130	437	.058	.134	.462	-.614
130	438	-.107	.209	.493	-.938
130	439	-.150	.182	.429	-.799
130	440	-.244	.098	.014	-.558
130	441	-.207	.100	.065	-.534
130	442	-.130	.093	.145	-.435
130	443	-.086	.094	.204	-.495
130	444	-.023	.095	.286	-.467
130	445	.009	.099	.303	-.499
130	446	-.012	.110	.322	-.726
130	447	-.061	.154	.310	-.864
130	448	-.125	.129	.348	-.569
130	449	-.249	.099	.112	-.591
130	450	-.093	.111	.289	-.592
130	451	-.003	.103	.363	-.465
130	452	.040	.098	.337	-.322
130	453	.037	.104	.429	-.275
130	454	-.255	.096	.089	-.610
130	455	-.223	.099	.265	-.645
130	456	.672	.072	.916	.441
130	457	.086	.105	.475	-.197
130	458	-.020	.095	.340	-.299
130	459	.071	.103	.510	-.240
130	460	.088	.101	.477	-.225
130	461	.043	.103	.455	-.339
130	501	-.003	.141	.466	-.672
130	502	.104	.137	.517	-.492
130	503	.116	.133	.625	-.388
130	504	.146	.133	.774	-.337
130	505	.115	.139	.638	-.318
130	506	.180	.143	.689	-.256
130	507	.145	.150	.699	-.558
130	508	.081	.141	.616	-.498
130	509	.093	.155	.610	-.451
130	510	.260	.145	.775	-.197
130	511	.417	.163	.954	-.163
130	512	.480	.164	1.036	-.091
130	513	.469	.170	1.031	-.079
130	514	.459	.164	.947	-.065
130	515	.279	.157	.879	-.164
130	516	.141	.139	.672	-.283
130	517	.058	.183	.663	-.529
130	518	.231	.154	.775	-.221
130	519	.414	.153	.953	-.081
130	520	.496	.157	1.061	-.053
130	521	.483	.165	1.057	-.095
130	522	.446	.151	.934	-.064
130	523	.273	.154	.775	-.170
130	524	.122	.135	.592	-.284
130	525	.021	.167	.666	-.514
130	526	.200	.145	.760	-.240
130	527	.343	.137	.834	-.073
130	528	.419	.142	.958	-.025
130	529	.403	.154	.960	-.046
130	530	.379	.143	.857	.007
130	531	.215	.141	.695	-.281
130	532	.077	.129	.502	-.373
130	533	-.003	.158	.536	-.577
130	534	.169	.134	.656	-.276
130	535	.307	.143	.720	-.157

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	536	.371	.142	.829	-.086
130	537	.338	.148	.861	-.154
130	538	.310	.139	.859	-.162
130	539	.150	.134	.793	-.278
130	540	.025	.126	.700	-.438
130	541	-.034	.121	.401	-.460
130	542	.080	.111	.474	-.292
130	543	.192	.107	.575	-.179
130	544	.259	.114	.668	-.105
130	545	.188	.120	.678	-.168
130	546	.159	.122	.620	-.249
130	547	.030	.110	.413	-.342
130	548	-.065	.108	.306	-.480
130	549	-.026	.111	.389	-.461
130	550	.251	.122	.813	-.090
130	551	.351	.126	.821	-.078
130	552	.162	.101	.606	-.230
130	553	.023	.114	.389	-.381
130	554	.072	.104	.414	-.262
130	555	.088	.094	.406	-.217
130	556	.103	.097	.489	-.218
130	557	.162	.143	.785	-.322
130	558	.285	.124	.859	-.073
130	559	.116	.111	.542	-.251
130	560	.028	.108	.416	-.361
130	601	-.348	.122	.078	-.963
130	602	-.347	.122	.061	-1.111
130	603	-.354	.137	.105	-1.042
130	604	-.302	.110	.119	-.741
130	605	-.395	.127	.114	-1.009
130	606	-.340	.133	.056	-1.276
130	607	-.316	.107	.048	-.826
130	608	-.322	.109	.049	-.770
130	609	-.337	.118	.023	-1.138
130	610	-.358	.104	-.039	-.755
130	611	-.362	.106	-.017	-.829
130	612	-.367	.112	-.023	-1.055
130	613	-.388	.104	-.047	-.811
130	614	-.388	.107	-.029	-1.183
130	615	-.393	.117	-.006	-1.246
130	616	-.418	.129	-.014	-1.122
130	617	-.406	.131	-.024	-1.195
130	618	-.390	.136	-.006	-1.263
130	619	.107	.108	.542	-.365
130	620	-.024	.106	.348	-.436
130	621	.005	.102	.392	-.375
130	622	.204	.149	.791	-.197
130	623	.170	.133	.689	-.255
130	624	-.385	.154	.067	-1.177
130	625	-.363	.156	.093	-1.253

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	626	-.345	.150	.068	-1.221
130	801	.092	.104	.498	-.266
130	802	.015	.112	.448	-.348
130	803	.106	.105	.557	-.246
130	804	.198	.129	.691	-.365
130	805	.050	.147	.576	-.556
130	901	-.430	.169	.067	-1.312
130	902	-.396	.164	.161	-1.216
130	903	-.434	.172	.058	-1.366
130	904	-.422	.181	.231	-1.408
130	905	-.394	.161	.059	-1.176
130	906	-.362	.175	.161	-1.255
130	907	-.466	.146	.035	-1.148
130	908	-.424	.156	.095	-1.252
130	909	-.383	.138	.026	-1.027
130	910	-.388	.158	.121	-1.111
130	911	-.463	.155	-.021	-1.135
130	912	-.386	.136	-.009	-.995
130	913	-.406	.145	.034	-1.060
130	914	-.374	.143	.039	-1.002
130	915	-.443	.159	.022	-1.262
130	916	.147	.113	.541	-.247
130	917	.184	.120	.866	-.175
130	918	.339	.124	.852	-.047
130	919	.127	.096	.569	-.201
130	920	.387	.166	1.127	-.089
130	1001	-.130	.133	.266	-.874
130	1002	.038	.109	.378	-.393
130	1003	.123	.100	.482	-.203
130	1004	.170	.099	.502	-.156
130	1005	.153	.112	.547	-.226
130	1006	.182	.106	.538	-.157
130	1007	.108	.096	.464	-.296
130	1008	.132	.100	.458	-.311
130	1009	-.096	.109	.291	-.471
130	1010	.015	.096	.363	-.347
130	1011	.077	.097	.412	-.240
130	1012	.151	.100	.457	-.192
130	1013	.110	.109	.465	-.393
130	1014	.044	.108	.472	-.366
130	1015	.081	.093	.438	-.259
130	1016	.139	.098	.463	-.164
130	1017	-.086	.102	.342	-.476
130	1018	-.038	.095	.373	-.347
130	1019	-.019	.098	.374	-.361
130	1020	-.008	.111	.510	-.449
130	1021	.066	.105	.484	-.269
130	1022	-.017	.099	.404	-.376
130	1023	-.016	.093	.289	-.357
130	1024	.074	.090	.387	-.306

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	1101	.110	.133	.536	-.465
130	1102	.239	.124	.695	-.142
130	1103	.196	.098	.447	-.201
130	1104	-.001	.100	.340	-.375
130	1105	.066	.118	.550	-.388
130	1106	.158	.107	.618	-.186
130	1107	-.171	.081	.057	-.474
130	1108	-.179	.085	.078	-.479
130	1109	-.120	.081	.166	-.444
130	1201	.143	.088	.535	-.146
130	1202	.122	.087	.488	-.167
130	1203	.127	.097	.512	-.220
130	1204	.053	.084	.352	-.245
130	1205	.065	.081	.352	-.228
130	1206	.088	.082	.397	-.170
130	1207	-.022	.077	.228	-.354
130	1208	-.009	.075	.207	-.282
130	1209	-.069	.076	.158	-.335
140	101	-.318	.118	.079	-.790
140	102	-.330	.110	-.008	-.765
140	103	-.381	.111	-.061	-.753
140	104	-.317	.108	-.001	-.688
140	105	-.407	.119	-.073	-.811
140	106	-.316	.106	.044	-.674
140	107	-.348	.118	.051	-.865
140	108	-.362	.124	.096	-1.068
140	109	-.352	.134	.086	-1.119
140	110	-.370	.109	.059	-.759
140	111	-.309	.102	.094	-.676
140	112	-.316	.108	.015	-.703
140	113	-.305	.109	.042	-.756
140	114	-.393	.120	-.003	-.893
140	115	-.344	.122	.031	-1.030
140	116	-.359	.119	.060	-.975
140	117	-.292	.103	.028	-.630
140	118	-.371	.108	-.040	-.720
140	119	-.313	.103	-.003	-.643
140	120	-.324	.096	-.016	-.648
140	121	-.311	.094	.001	-.622
140	122	-.398	.102	-.058	-.739
140	123	-.338	.099	-.012	-.671
140	124	-.359	.115	-.007	-.826
140	125	-.353	.122	.008	-.894
140	126	-.406	.111	-.077	-.806
140	127	-.343	.105	-.028	-.707
140	128	-.343	.102	.002	-.705
140	129	-.330	.100	-.011	-.692
140	130	-.421	.106	-.124	-.825
140	131	-.371	.103	-.058	-.738
140	132	-.398	.124	-.014	-.856

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	133	-.349	.105	-.022	-.713
140	134	-.435	.110	-.089	-.801
140	135	-.371	.104	-.044	-.705
140	136	-.378	.099	-.004	-.710
140	137	-.364	.099	.003	-.735
140	138	-.455	.105	-.063	-.835
140	139	-.393	.102	-.000	-.793
140	140	-.389	.103	-.026	-.754
140	141	-.382	.105	-.016	-.732
140	142	-.428	.109	-.007	-.795
140	143	-.350	.102	.054	-.674
140	144	-.378	.101	-.064	-.938
140	145	-.362	.100	-.042	-.799
140	146	-.455	.106	-.128	-.900
140	147	-.393	.101	-.078	-.741
140	148	-.403	.103	-.077	-.778
140	149	-.318	.116	.018	-.873
140	150	-.403	.118	-.058	-1.021
140	151	-.333	.109	-.014	-.825
140	152	-.354	.110	-.008	-.885
140	153	-.340	.105	-.000	-.823
140	154	-.428	.110	-.044	-.892
140	155	-.363	.104	-.016	-.811
140	156	-.364	.106	.021	-.778
140	157	-.340	.103	.031	-.798
140	201	-.405	.123	.081	-.906
140	202	-.326	.114	.118	-.791
140	203	-.324	.121	.110	-1.129
140	204	-.305	.114	.106	-.776
140	205	-.303	.117	.146	-.710
140	206	-.313	.114	.141	-.764
140	207	-.315	.122	.100	-.833
140	208	-.311	.123	.117	-.851
140	209	-.339	.118	.051	-.806
140	210	-.335	.116	.061	-.800
140	211	-.308	.106	.024	-.696
140	212	-.294	.104	.053	-.688
140	213	-.286	.103	.070	-.650
140	214	-.293	.103	.050	-.671
140	215	-.298	.103	.033	-.685
140	216	-.298	.104	.051	-.694
140	217	-.333	.104	.070	-.767
140	218	-.321	.101	.043	-.737
140	219	-.307	.100	.081	-.681
140	220	-.299	.098	.021	-.653
140	221	-.298	.096	.021	-.671
140	222	-.308	.101	.024	-.719
140	223	-.306	.105	.045	-.630
140	224	-.306	.106	.046	-.624
140	225	-.361	.110	.061	-.761
140	226	-.351	.109	.064	-.753
140	227	-.335	.107	-.003	-.789
140	228	-.322	.104	-.009	-.774
140	229	-.315	.102	-.020	-.671
140	230	-.322	.102	-.024	-.677
140	231	-.318	.094	-.031	-.730
140	232	-.318	.094	-.018	-.717
140	233	-.401	.094	-.101	-.746
140	234	-.369	.101	-.067	-.708
140	235	-.387	.112	-.020	-.808
140	236	-.375	.109	-.011	-.805
140	237	-.362	.108	-.016	-.788
140	238	-.367	.109	-.034	-.758
140	239	-.384	.105	-.068	-.837
140	240	-.384	.106	-.067	-.869
140	241	-.406	.097	-.109	-.756
140	242	-.413	.099	-.101	-.766
140	243	-.390	.105	-.054	-.750
140	244	-.385	.106	-.049	-.742
140	245	-.373	.106	-.074	-.753
140	246	-.376	.106	-.062	-.758
140	247	-.390	.101	.001	-.758
140	248	-.388	.102	.004	-.788
140	249	-.368	.101	-.006	-.708
140	250	-.366	.102	.070	-.697
140	251	-.358	.103	-.007	-.757
140	252	-.369	.105	.006	-.787
140	253	-.362	.104	.039	-.731
140	254	-.369	.102	.026	-.738
140	255	-.367	.101	.004	-.692
140	256	-.353	.100	.024	-.683
140	257	-.357	.100	.016	-.733
140	258	-.360	.100	.017	-.708
140	259	-.360	.101	-.056	-.743
140	260	-.366	.101	-.072	-.740
140	261	-.351	.102	-.044	-.729
140	262	-.342	.107	.041	-.765
140	263	-.345	.102	.016	-.777
140	264	-.333	.103	.007	-.779
140	265	-.326	.103	.014	-.769
140	301	-.372	.148	.068	-1.085
140	302	-.321	.138	.123	-.911
140	303	-.331	.123	.067	-.896
140	304	-.294	.117	.090	-.820
140	305	-.351	.117	.041	-.828
140	306	-.291	.110	.061	-.687
140	307	-.308	.105	.003	-.872
140	308	-.271	.101	.055	-.824
140	309	-.338	.106	-.011	-.844
140	310	-.331	.107	.129	-.915
140	311	-.313	.099	-.002	-.943
140	312	-.288	.097	-.000	-.932
140	313	-.431	.106	-.032	-.969
140	314	-.366	.100	.004	-.838
140	315	-.358	.103	-.033	-.780
140	316	-.359	.108	-.044	-.750
140	317	-.433	.115	-.068	-1.025
140	318	-.376	.109	-.043	-.870
140	319	.108	.093	.417	-.212
140	320	.069	.093	.369	-.340
140	321	.011	.095	.341	-.310
140	322	.105	.093	.425	-.220
140	323	.055	.108	.463	-.436
140	324	-.285	.102	.093	-.672
140	325	-.427	.123	-.029	-.901
140	326	-.423	.147	-.039	-1.216
140	401	-.187	.110	.236	-.563
140	402	-.124	.112	.342	-.513
140	403	.023	.114	.423	-.398
140	404	.026	.128	.525	-.382
140	405	.050	.133	.544	-.398
140	406	.001	.167	.582	-.835
140	407	-.063	.216	.653	-.893
140	408	-.150	.099	.133	-.554
140	409	-.057	.102	.256	-.427
140	410	.013	.111	.401	-.373
140	411	.086	.115	.468	-.278
140	412	.176	.130	.634	-.251
140	413	.215	.135	.674	-.270
140	414	.210	.148	.712	-.474
140	415	.167	.212	.757	-.806
140	416	.120	.202	.818	-.636
140	417	-.103	.101	.305	-.415
140	418	-.095	.109	.374	-.457
140	419	.083	.119	.514	-.252
140	420	.174	.129	.622	-.253
140	421	.242	.144	.724	-.386
140	422	.135	.223	.758	-.649
140	423	.110	.215	.791	-.675
140	424	-.111	.095	.270	-.419
140	425	-.071	.101	.318	-.384
140	426	-.006	.108	.370	-.346
140	427	.063	.112	.452	-.255
140	428	.134	.118	.511	-.251
140	429	.185	.122	.553	-.231
140	430	.165	.133	.605	-.387
140	431	.123	.195	.652	-.563
140	432	.075	.199	.607	-.606
140	433	-.202	.099	.144	-.555
140	434	-.178	.103	.206	-.513

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	435	.017	.105	.360	-.296
140	436	.081	.115	.629	-.259
140	437	.137	.129	.730	-.294
140	438	.036	.199	.750	-.683
140	439	.015	.194	.708	-.771
140	440	-.232	.098	.116	-.596
140	441	-.173	.100	.198	-.562
140	442	-.115	.093	.172	-.461
140	443	-.048	.093	.282	-.395
140	444	.023	.092	.358	-.356
140	445	.064	.091	.401	-.267
140	446	.033	.098	.403	-.380
140	447	.067	.116	.473	-.497
140	448	-.014	.119	.446	-.462
140	449	-.215	.091	.108	-.601
140	450	-.047	.101	.346	-.570
140	451	.046	.097	.462	-.361
140	452	.090	.106	.501	-.309
140	453	.091	.090	.396	-.248
140	454	-.236	.107	.109	-.627
140	455	-.178	.108	.291	-.585
140	456	.659	.071	.915	.448
140	457	.123	.105	.596	-.223
140	458	.001	.094	.395	-.296
140	459	.110	.105	.514	-.221
140	460	.151	.110	.590	-.165
140	461	.154	.109	.529	-.258
140	501	.099	.149	.589	-.385
140	502	.178	.141	.668	-.319
140	503	.137	.143	.693	-.358
140	504	.146	.141	.666	-.407
140	505	.090	.142	.590	-.445
140	506	.132	.141	.633	-.318
140	507	.093	.136	.668	-.403
140	508	.023	.124	.479	-.452
140	509	.260	.171	1.028	-.308
140	510	.375	.159	1.074	-.112
140	511	.463	.166	.956	.005
140	512	.483	.164	.993	.026
140	513	.434	.172	.988	-.033
140	514	.392	.162	.997	-.032
140	515	.203	.135	.884	-.226
140	516	.068	.121	.716	-.336
140	517	.242	.181	1.030	-.329
140	518	.366	.159	1.053	-.149
140	519	.469	.155	.994	-.011
140	520	.509	.159	1.010	.043
140	521	.461	.168	.999	.006
140	522	.392	.151	.886	-.043
140	523	.186	.130	.672	-.238
140	524	.045	.114	.461	-.322
140	525	.207	.189	.849	-.337
140	526	.334	.165	.911	-.174
140	527	.440	.151	.883	-.043
140	528	.472	.147	.901	.043
140	529	.413	.154	.843	-.064
140	530	.342	.141	.878	-.153
140	531	.139	.122	.601	-.184
140	532	.008	.111	.427	-.311
140	533	.153	.177	.794	-.447
140	534	.281	.162	.827	-.275
140	535	.338	.130	.801	-.069
140	536	.361	.128	.830	-.022
140	537	.296	.134	.796	-.110
140	538	.248	.126	.702	-.182
140	539	.079	.122	.559	-.490
140	540	-.040	.115	.399	-.613
140	541	.058	.119	.474	-.314
140	542	.150	.110	.529	-.229
140	543	.227	.111	.623	-.106
140	544	.265	.111	.627	-.055
140	545	.164	.115	.579	-.163
140	546	.124	.116	.526	-.219
140	547	-.014	.112	.490	-.434
140	548	-.102	.111	.355	-.496
140	549	.039	.114	.429	-.524
140	550	.290	.132	.879	-.108
140	551	.337	.115	.727	-.073
140	552	.137	.094	.448	-.227
140	553	.086	.110	.529	-.503
140	554	.127	.099	.494	-.363
140	555	.123	.096	.468	-.195
140	556	.126	.097	.497	-.190
140	557	.082	.121	.540	-.374
140	558	.232	.124	.684	-.179
140	559	.096	.110	.492	-.287
140	560	.016	.108	.443	-.326
140	601	-.317	.112	.062	-.716
140	602	-.326	.108	.016	-.761
140	603	-.331	.114	.018	-.887
140	604	-.291	.101	.046	-.652
140	605	-.366	.107	-.025	-.703
140	606	-.308	.110	.118	-.643
140	607	-.292	.107	.140	-.616
140	608	-.296	.106	.134	-.624
140	609	-.309	.109	.135	-.731
140	610	-.333	.104	.078	-.681
140	611	-.341	.104	.075	-.699
140	612	-.337	.105	.067	-.691
140	613	-.372	.107	.018	-.796
140	614	-.375	.102	.016	-.809
140	615	-.372	.110	.015	-1.343
140	616	-.410	.115	-.005	-1.129
140	617	-.379	.113	.009	-1.034
140	618	-.379	.115	-.054	-1.333
140	619	.101	.102	.469	-.225
140	620	.009	.118	.398	-.672
140	621	.035	.103	.397	-.358
140	622	.085	.109	.445	-.268
140	623	.098	.121	.743	-.313
140	624	-.379	.143	.082	-1.049
140	625	-.337	.142	.097	-1.018
140	626	-.334	.139	.024	-1.000
140	801	.110	.089	.422	-.212
140	802	.079	.104	.516	-.329
140	803	.116	.092	.478	-.187
140	804	.136	.126	.755	-.227
140	805	.109	.107	.567	-.480
140	901	-.395	.136	.055	-1.268
140	902	-.365	.131	.044	-1.211
140	903	-.417	.143	.041	-1.118
140	904	-.392	.147	.063	-1.459
140	905	-.389	.150	.095	-1.036
140	906	-.365	.159	.250	-1.641
140	907	-.445	.136	.025	-1.046
140	908	-.398	.140	.027	-1.163
140	909	-.371	.138	.001	-1.100
140	910	-.362	.154	.074	-1.152
140	911	-.465	.157	-.040	-1.325
140	912	-.386	.144	.021	-1.134
140	913	-.400	.152	.001	-1.262
140	914	-.366	.144	.055	-1.065
140	915	-.435	.152	-.034	-1.055
140	916	.176	.101	.600	-.135
140	917	.228	.123	.699	-.173
140	918	.352	.128	.805	-.109
140	919	.128	.098	.516	-.189
140	920	.264	.135	1.178	-.084
140	1001	-.106	.113	.235	-.594
140	1002	.036	.089	.354	-.280
140	1003	.089	.094	.407	-.206
140	1004	.140	.094	.471	-.156
140	1005	.121	.107	.584	-.213
140	1006	.170	.104	.606	-.142
140	1007	.105	.089	.457	-.239
140	1008	.124	.092	.474	-.231
140	1009	-.089	.102	.271	-.577
140	1010	.011	.088	.319	-.306
140	1011	.051	.087	.415	-.205
140	1012	.117	.093	.485	-.167

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	1013	.092	.100	.442	-.252
140	1014	.072	.101	.452	-.353
140	1015	.089	.082	.397	-.201
140	1016	.124	.088	.469	-.193
140	1017	-.109	.099	.293	-.522
140	1018	-.038	.090	.359	-.345
140	1019	-.022	.087	.251	-.395
140	1020	.033	.100	.381	-.340
140	1021	.070	.093	.391	-.241
140	1022	-.032	.090	.300	-.363
140	1023	-.033	.087	.235	-.353
140	1024	.079	.085	.381	-.209
140	1101	.118	.131	.620	-.553
140	1102	.261	.125	.821	-.098
140	1103	.097	.103	.532	-.291
140	1104	.052	.098	.426	-.353
140	1105	.035	.116	.400	-.383
140	1106	.227	.115	.676	-.144
140	1107	-.152	.092	.132	-.497
140	1108	-.181	.099	.144	-.559
140	1109	-.100	.093	.160	-.447
140	1201	.148	.088	.560	-.102
140	1202	.126	.086	.502	-.120
140	1203	.093	.096	.477	-.186
140	1204	.101	.092	.400	-.201
140	1205	.109	.088	.406	-.199
140	1206	.115	.088	.384	-.199
140	1207	.001	.088	.291	-.320
140	1208	.015	.087	.420	-.271
140	1209	-.055	.088	.312	-.329
150	101	-.317	.112	.036	-.748
150	102	-.329	.116	.061	-.773
150	103	-.396	.120	-.021	-.915
150	104	-.311	.114	.058	-.732
150	105	-.411	.126	.010	-.883
150	106	-.317	.114	.075	-.781
150	107	-.339	.121	.059	-.790
150	108	-.338	.121	.043	-.935
150	109	-.316	.128	.077	-1.042
150	110	-.372	.113	.078	-.850
150	111	-.301	.106	.118	-.778
150	112	-.318	.097	.092	-.772
150	113	-.297	.096	.113	-.753
150	114	-.393	.106	.059	-.877
150	115	-.328	.105	.092	-.769
150	116	-.331	.118	.036	-.812
150	117	-.287	.101	.076	-.627
150	118	-.380	.108	.002	-.729
150	119	-.311	.101	.042	-.636
150	120	-.317	.101	.004	-.638
150	121	-.294	.097	.019	-.595
150	122	-.389	.105	-.068	-.796
150	123	-.316	.099	-.021	-.719
150	124	-.331	.114	-.005	-.817
150	125	-.312	.116	.007	-.752
150	126	-.410	.119	-.008	-.972
150	127	-.336	.111	.043	-.864
150	128	-.346	.099	.035	-.684
150	129	-.323	.097	.019	-.640
150	130	-.421	.105	-.030	-.783
150	131	-.350	.103	.039	-.697
150	132	-.368	.105	.029	-.707
150	133	-.360	.099	.025	-.706
150	134	-.461	.105	-.031	-.822
150	135	-.385	.100	.014	-.734
150	136	-.389	.111	-.018	-.797
150	137	-.367	.111	.007	-.780
150	138	-.467	.118	-.083	-1.000
150	139	-.392	.114	-.000	-.993
150	140	-.361	.152	-.007	-.846
150	141	-.349	.152	-.006	-.961
150	142	-.416	.167	-.005	-.875
150	143	-.335	.146	-.003	-.757
150	144	-.412	.122	-.072	-1.123
150	145	-.390	.117	-.042	-1.004
150	146	-.497	.124	-.127	-.939
150	147	-.422	.120	-.074	-.926
150	148	-.408	.115	.070	-.814
150	149	-.319	.121	.066	-.909
150	150	-.418	.125	-.013	-.974
150	151	-.337	.117	.035	-.829
150	152	-.361	.109	-.029	-.803
150	153	-.343	.105	-.032	-.781
150	154	-.445	.111	-.121	-.925
150	155	-.368	.104	-.054	-.867
150	156	-.380	.109	-.096	-.902
150	157	-.353	.109	-.080	-.977
150	201	-.401	.135	.006	-1.024
150	202	-.317	.123	.057	-.869
150	203	-.327	.122	.062	-.855
150	204	-.321	.121	.037	-.834
150	205	-.324	.118	.037	-.729
150	206	-.328	.115	.058	-.768
150	207	-.310	.116	.140	-.788
150	208	-.307	.118	.120	-.799
150	209	-.315	.115	.201	-.880
150	210	-.319	.114	.207	-.856
150	211	-.297	.112	.157	-.685
150	212	-.294	.110	.122	-.639
150	213	-.284	.106	.126	-.630
150	214	-.293	.107	.087	-.653
150	215	-.311	.107	.014	-.666
150	216	-.313	.110	.014	-.677
150	217	-.304	.102	.045	-.671
150	218	-.305	.102	.046	-.668
150	219	-.307	.110	.063	-.758
150	220	-.308	.109	.056	-.766
150	221	-.300	.106	.063	-.694
150	222	-.311	.110	.056	-.727
150	223	-.322	.106	.017	-.707
150	224	-.322	.108	-.005	-.743
150	225	-.347	.112	.028	-.766
150	226	-.349	.110	-.014	-.768
150	227	-.330	.103	-.020	-.710
150	228	-.325	.104	.005	-.740
150	229	-.317	.106	-.001	-.746
150	230	-.329	.108	.003	-.762
150	231	-.338	.109	.072	-.727
150	232	-.337	.111	.082	-.750
150	233	-.393	.105	.025	-.777
150	234	-.378	.102	-.008	-.769
150	235	-.384	.105	.019	-.773
150	236	-.375	.102	-.027	-.733
150	237	-.359	.100	-.004	-.709
150	238	-.367	.100	-.007	-.722
150	239	-.381	.102	-.026	-.735
150	240	-.380	.105	-.010	-.742
150	241	-.397	.104	-.073	-.918
150	242	-.407	.104	-.077	-.868
150	243	-.416	.103	-.112	-.802
150	244	-.405	.101	-.112	-.789
150	245	-.383	.099	-.084	-.730
150	246	-.388	.098	-.082	-.737
150	247	-.393	.111	-.065	-.823
150	248	-.389	.112	-.050	-.860
150	249	-.372	.109	-.015	-.710
150	250	-.370	.110	-.041	-.723
150	251	-.361	.105	.004	-.802
150	252	-.380	.107	-.023	-.844
150	253	-.365	.105	-.009	-.830
150	254	-.377	.104	-.019	-.817
150	255	-.382	.097	.002	-.733
150	256	-.365	.099	.008	-.732
150	257	-.362	.097	.021	-.730
150	258	-.370	.098	.003	-.743
150	259	-.357	.111	-.010	-.805
150	260	-.363	.111	.005	-.805
150	261	-.339	.110	.024	-.781
150	262	-.336	.116	.072	-.806
150	263	-.345	.110	.001	-.721

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	264	-.337	.113	.023	-.738
150	265	-.323	.113	.044	-.726
150	301	-.377	.149	.176	-1.062
150	302	-.364	.150	.120	-1.240
150	303	-.394	.175	.012	-1.795
150	304	-.322	.134	.118	-.931
150	305	-.396	.149	.046	-1.700
150	306	-.341	.143	.044	-1.210
150	307	-.343	.123	.083	-.892
150	308	-.311	.121	.039	-.965
150	309	-.369	.125	-.005	-1.003
150	310	-.362	.127	.074	-1.046
150	311	-.364	.130	.029	-1.016
150	312	-.336	.129	.031	-1.299
150	313	-.443	.124	-.041	-.865
150	314	-.410	.137	.001	-1.084
150	315	-.423	.143	-.006	-1.327
150	316	-.371	.122	.065	-.838
150	317	-.480	.148	.028	-1.106
150	318	-.447	.156	.039	-1.265
150	319	.097	.113	.446	-.539
150	320	.078	.104	.410	-.340
150	321	.015	.105	.336	-.329
150	322	.120	.101	.598	-.227
150	323	.093	.111	.585	-.213
150	324	-.273	.102	.129	-.677
150	325	-.419	.122	.077	-.946
150	326	-.425	.138	.087	-1.005
150	401	-.151	.128	.299	-.739
150	402	-.071	.137	.402	-.537
150	403	.070	.135	.548	-.398
150	404	.092	.137	.590	-.451
150	405	.131	.140	.596	-.475
150	406	.090	.159	.624	-.576
150	407	.147	.204	.766	-.715
150	408	-.102	.109	.275	-.532
150	409	.042	.115	.453	-.398
150	410	.124	.132	.617	-.319
150	411	.225	.134	.737	-.227
150	412	.298	.152	.940	-.102
150	413	.348	.156	.905	-.067
150	414	.331	.168	.910	-.208
150	415	.390	.188	1.013	-.375
150	416	.344	.191	.966	-.324
150	417	-.064	.096	.348	-.386
150	418	-.057	.109	.395	-.380
150	419	.182	.117	.620	-.172
150	420	.279	.143	.701	-.203
150	421	.361	.152	.858	-.134
150	422	.332	.194	.888	-.515
150	423	.343	.203	.966	-.446
150	424	-.088	.110	.387	-.543
150	425	-.011	.115	.466	-.403
150	426	.063	.128	.534	-.398
150	427	.160	.130	.663	-.308
150	428	.214	.139	.745	-.224
150	429	.272	.141	.807	-.198
150	430	.237	.155	.826	-.332
150	431	.290	.177	.939	-.404
150	432	.306	.188	.883	-.532
150	433	-.161	.104	.183	-.537
150	434	-.146	.115	.266	-.551
150	435	.099	.121	.581	-.315
150	436	.158	.133	.680	-.235
150	437	.231	.137	.757	-.140
150	438	.181	.169	.793	-.438
150	439	.191	.178	.863	-.344
150	440	-.242	.099	.119	-.697
150	441	-.145	.098	.217	-.643
150	442	-.109	.094	.240	-.444
150	443	-.010	.093	.346	-.327
150	444	.064	.095	.366	-.296
150	445	.117	.094	.418	-.210
150	446	.064	.104	.410	-.279
150	447	.144	.111	.531	-.337
150	448	.090	.118	.530	-.341
150	449	-.221	.095	.153	-.568
150	450	-.031	.094	.315	-.352
150	451	.087	.092	.429	-.224
150	452	.121	.101	.501	-.254
150	453	.106	.098	.524	-.346
150	454	-.244	.101	.130	-.605
150	455	-.144	.110	.419	-.510
150	456	.691	.072	.929	-.384
150	457	.179	.107	.609	-.201
150	458	.022	.100	.368	-.386
150	459	.162	.107	.590	-.219
150	460	.175	.107	.583	-.156
150	461	.185	.109	.658	-.148
150	501	.156	.167	.877	-.368
150	502	.215	.152	.814	-.253
150	503	.132	.143	.669	-.341
150	504	.127	.139	.652	-.350
150	505	.054	.143	.638	-.349
150	506	.086	.141	.628	-.346
150	507	.028	.134	.592	-.442
150	508	-.039	.121	.432	-.449
150	509	.400	.176	1.012	-.157
150	510	.464	.168	1.016	-.131
150	511	.491	.173	1.055	.013
150	512	.473	.163	.956	-.004
150	513	.393	.165	.902	-.101
150	514	.326	.150	.829	-.136
150	515	.126	.135	.603	-.397
150	516	-.007	.121	.405	-.472
150	517	.421	.187	1.104	-.097
150	518	.490	.170	1.110	-.016
150	519	.306	.160	.975	-.053
150	520	.499	.158	.972	-.059
150	521	.412	.162	1.015	-.171
150	522	.318	.146	.914	-.211
150	523	.090	.119	.560	-.374
150	524	-.031	.106	.437	-.458
150	525	.321	.169	.950	-.203
150	526	.396	.156	.953	-.111
150	527	.463	.160	.952	-.063
150	528	.453	.151	.943	-.068
150	529	.359	.151	.862	-.184
150	530	.264	.129	.694	-.159
150	531	.063	.115	.554	-.303
150	532	-.050	.104	.367	-.406
150	533	.231	.160	.751	-.339
150	534	.309	.151	.892	-.144
150	535	.357	.145	.907	-.107
150	536	.351	.141	.907	-.110
150	537	.263	.144	.855	-.203
150	538	.194	.129	.750	-.208
150	539	.023	.111	.404	-.347
150	540	-.091	.106	.312	-.465
150	541	.121	.126	.648	-.296
150	542	.185	.119	.627	-.163
150	543	.225	.113	.633	-.126
150	544	.233	.111	.593	-.129
150	545	.114	.109	.482	-.250
150	546	.054	.108	.595	-.300
150	547	-.090	.101	.249	-.463
150	548	-.176	.102	.175	-.563
150	549	.094	.109	.511	-.284
150	550	.343	.149	.976	-.054
150	551	.332	.128	.843	-.012
150	552	.111	.098	.474	-.240
150	553	.078	.110	.458	-.328
150	554	.115	.097	.461	-.235
150	555	.104	.104	.514	-.212
150	556	.097	.098	.520	-.208
150	557	.054	.105	.542	-.352
150	558	.178	.136	.960	-.211
150	559	.060	.114	.442	-.286
150	560	-.013	.108	.377	-.350
150	601	-.307	.106	.030	-.700

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	602	-.324	.111	.036	-1.205
150	603	-.326	.112	.031	-1.089
150	604	-.281	.104	.033	-.794
150	605	-.365	.108	-.030	-.709
150	606	-.308	.106	.086	-.691
150	607	-.292	.105	.105	-.861
150	608	-.290	.104	.093	-.863
150	609	-.307	.106	.069	-.934
150	610	-.334	.100	.073	-.708
150	611	-.342	.099	-.007	-.700
150	612	-.328	.098	.031	-.699
150	613	-.372	.101	-.050	-.757
150	614	-.379	.097	-.035	-.734
150	615	-.360	.100	-.008	-.734
150	616	-.430	.106	-.049	-.858
150	617	-.369	.101	-.013	-.766
150	618	-.377	.101	-.023	-.717
150	619	-.033	.093	.370	-.306
150	620	-.020	.098	.317	-.356
150	621	.021	.091	.350	-.299
150	622	.030	.100	.459	-.275
150	623	.043	.104	.429	-.319
150	624	-.412	.129	.062	-.982
150	625	-.341	.125	.114	-.946
150	626	-.340	.136	.060	-1.391
150	801	.066	.092	.387	-.243
150	802	.011	.128	.530	-.583
150	803	.059	.093	.437	-.259
150	804	.032	.104	.638	-.271
150	805	.055	.099	.469	-.258
150	901	-.398	.143	.012	-1.114
150	902	-.358	.128	.015	-.882
150	903	-.440	.151	-.048	-1.306
150	904	-.392	.141	-.005	-.966
150	905	-.377	.133	.016	-1.110
150	906	-.357	.142	.154	-1.139
150	907	-.447	.131	-.033	-1.058
150	908	-.388	.136	.016	-1.096
150	909	-.357	.125	.046	-.868
150	910	-.331	.133	.106	-.888
150	911	-.460	.148	.023	-1.307
150	912	-.369	.131	.010	-1.022
150	913	-.391	.154	.133	-1.193
150	914	-.351	.139	.132	-1.080
150	915	-.433	.153	.157	-1.152
150	916	.148	.099	.496	-.194
150	917	.275	.137	1.017	-.110
150	918	.355	.127	.819	-.057
150	919	.113	.097	.505	-.181
150	920	.209	.122	.679	-.164

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	1001	-.093	.104	.218	-.752
150	1002	.005	.085	.281	-.347
150	1003	.049	.085	.348	-.245
150	1004	.111	.086	.426	-.177
150	1005	.096	.099	.468	-.195
150	1006	.182	.104	.536	-.131
150	1007	.138	.095	.492	-.166
150	1008	.162	.098	.523	-.155
150	1009	-.097	.098	.262	-.566
150	1010	-.009	.086	.302	-.250
150	1011	.013	.086	.424	-.297
150	1012	.077	.091	.450	-.249
150	1013	.071	.101	.445	-.261
150	1014	.131	.100	.584	-.277
150	1015	.135	.093	.486	-.132
150	1016	.155	.094	.503	-.110
150	1017	-.127	.098	.189	-.429
150	1018	-.036	.087	.248	-.308
150	1019	-.040	.093	.242	-.377
150	1020	.070	.107	.395	-.244
150	1021	.081	.099	.369	-.241
150	1022	-.066	.094	.217	-.357
150	1023	-.052	.087	.270	-.370
150	1024	.100	.086	.409	-.215
150	1101	.075	.133	.537	-.638
150	1102	.209	.121	.672	-.152
150	1103	.024	.097	.375	-.270
150	1104	.076	.102	.412	-.293
150	1105	.015	.111	.453	-.355
150	1106	.242	.120	.702	-.242
150	1107	-.122	.097	.193	-.543
150	1108	-.156	.108	.238	-.540
150	1109	-.084	.091	.240	-.384
150	1201	.132	.094	.589	-.206
150	1202	.108	.093	.579	-.222
150	1203	.042	.097	.483	-.275
150	1204	.114	.093	.423	-.247
150	1205	.123	.090	.425	-.221
150	1206	.130	.092	.418	-.202
150	1207	.029	.085	.299	-.277
150	1208	.033	.083	.310	-.283
150	1209	-.031	.085	.239	-.370
160	101	-.322	.109	.058	-.776
160	102	-.326	.117	.077	-.842
160	103	-.391	.125	.017	-.827
160	104	-.327	.117	.070	-.823
160	105	-.322	.120	.074	-.789
160	106	-.301	.120	.079	-.743
160	107	-.328	.121	.120	-.823
160	108	-.317	.124	.040	-1.021

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	109	-.316	.131	.072	-1.231
160	110	-.284	.110	.073	-.665
160	111	-.294	.109	.063	-.683
160	112	-.304	.106	.027	-.679
160	113	-.302	.108	.061	-.683
160	114	-.292	.110	.067	-.669
160	115	-.309	.113	.049	-.703
160	116	-.324	.101	.044	-.643
160	117	-.308	.098	.020	-.681
160	118	-.297	.098	.018	-.667
160	119	-.309	.097	.004	-.674
160	120	-.314	.098	.026	-.637
160	121	-.311	.099	.022	-.662
160	122	-.296	.100	.038	-.631
160	123	-.310	.100	.028	-.642
160	124	-.313	.099	.006	-.690
160	125	-.318	.101	.039	-.706
160	126	-.323	.097	-.043	-.633
160	127	-.336	.097	-.077	-.645
160	128	-.337	.094	-.000	-.673
160	129	-.337	.096	.023	-.692
160	130	-.321	.097	.049	-.711
160	131	-.336	.097	.021	-.722
160	132	-.355	.116	.074	-.776
160	133	-.393	.106	-.068	-.688
160	134	-.381	.106	-.041	-.681
160	135	-.396	.106	-.040	-.680
160	136	-.400	.103	-.053	-.759
160	137	-.403	.105	-.085	-.769
160	138	-.384	.106	-.050	-.754
160	139	-.405	.108	-.076	-.780
160	140	-.373	.106	-.064	-.884
160	141	-.353	.107	-.045	-.851
160	142	-.446	.106	-.121	-.846
160	143	-.354	.099	-.048	-.717
160	144	-.416	.111	-.032	-1.185
160	145	-.420	.113	-.055	-1.341
160	146	-.405	.111	-.061	-1.255
160	147	-.427	.108	-.054	-1.026
160	148	-.439	.120	-.087	-.979
160	149	-.364	.116	-.013	-1.234
160	150	-.345	.113	-.009	-1.256
160	151	-.362	.112	-.009	-1.097
160	152	-.380	.113	.001	-.790
160	153	-.387	.110	.008	-.779
160	154	-.368	.109	.023	-.759
160	155	-.394	.110	.013	-.775
160	156	-.384	.109	-.018	-.892
160	157	-.384	.111	-.017	-.851
160	201	-.305	.130	.082	-.809

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	202	-.320	.126	.054	-.795
160	203	-.332	.121	.124	-.693
160	204	-.343	.120	.082	-.816
160	205	-.333	.120	.092	-.794
160	206	-.331	.119	.090	-.837
160	207	-.316	.118	.080	-.690
160	208	-.308	.120	.102	-.673
160	209	-.317	.109	.040	-.690
160	210	-.330	.111	.018	-.688
160	211	-.332	.112	.111	-.740
160	212	-.331	.109	.104	-.662
160	213	-.309	.105	.096	-.654
160	214	-.313	.107	.094	-.681
160	215	-.327	.121	.094	-.862
160	216	-.323	.125	.112	-.910
160	217	-.325	.115	.051	-.795
160	218	-.336	.114	.043	-.817
160	219	-.342	.101	.060	-.798
160	220	-.343	.102	.063	-.758
160	221	-.323	.100	.105	-.715
160	222	-.332	.108	.111	-.746
160	223	-.334	.111	.060	-.824
160	224	-.332	.115	.109	-.838
160	225	-.335	.111	.011	-.733
160	226	-.348	.111	-.001	-.756
160	227	-.368	.100	-.063	-.753
160	228	-.364	.098	-.038	-.727
160	229	-.345	.098	-.020	-.682
160	230	-.354	.102	-.009	-.718
160	231	-.355	.117	.031	-.780
160	232	-.350	.121	.050	-.845
160	233	-.397	.114	-.011	-.796
160	234	-.368	.107	-.002	-.835
160	235	-.420	.107	-.048	-.836
160	236	-.410	.105	.006	-.872
160	237	-.384	.104	.049	-.862
160	238	-.391	.107	.017	-.899
160	239	-.386	.106	.077	-.720
160	240	-.379	.109	.135	-.750
160	241	-.415	.104	-.058	-.828
160	242	-.429	.106	-.069	-.851
160	243	-.443	.110	-.050	-.909
160	244	-.427	.109	-.049	-.966
160	245	-.394	.106	-.039	-.756
160	246	-.402	.107	-.050	-.769
160	247	-.406	.112	-.087	-.793
160	248	-.399	.114	-.063	-.790
160	249	-.393	.114	-.047	-.829
160	250	-.391	.114	-.028	-.831
160	251	-.381	.117	-.042	-.830
160	252	-.399	.116	-.028	-.862
160	253	-.378	.113	-.005	-.820
160	254	-.392	.111	-.057	-.843
160	255	-.396	.120	.015	-.844
160	256	-.373	.122	.019	-.868
160	257	-.370	.119	.025	-.809
160	258	-.378	.121	.006	-.923
160	259	-.377	.117	-.011	-.817
160	260	-.382	.116	-.032	-.833
160	261	-.347	.115	.012	-.796
160	262	-.348	.122	.023	-.826
160	263	-.361	.122	.051	-.805
160	264	-.353	.125	.060	-.806
160	265	-.335	.124	.061	-.796
160	301	-.332	.134	.095	-.938
160	302	-.352	.152	.094	-1.022
160	303	-.561	.250	.035	-1.758
160	304	-.301	.144	.113	-1.021
160	305	-.485	.203	.140	-1.489
160	306	-.487	.218	.061	-1.754
160	307	-.344	.137	.129	-.975
160	308	-.396	.176	.056	-1.264
160	309	-.475	.198	.037	-1.282
160	310	-.365	.141	.083	-.873
160	311	-.427	.179	.204	-1.330
160	312	-.418	.192	.010	-1.596
160	313	-.415	.135	.086	-1.026
160	314	-.459	.167	.115	-1.251
160	315	-.517	.196	-.065	-1.271
160	316	-.348	.124	.023	-.906
160	317	-.485	.177	.020	-1.117
160	318	-.536	.190	-.097	-1.340
160	319	.018	.118	.396	-.755
160	320	.060	.112	.383	-.513
160	321	-.002	.111	.347	-.483
160	322	.098	.102	.424	-.232
160	323	.118	.107	.553	-.252
160	324	-.232	.107	.148	-.679
160	325	-.355	.132	.094	-.870
160	326	-.419	.157	.130	-1.054
160	401	-.122	.139	.609	-.668
160	402	-.024	.160	.754	-.614
160	403	.138	.152	.783	-.404
160	404	.169	.151	.764	-.306
160	405	.215	.149	.761	-.230
160	406	.174	.171	.809	-.333
160	407	.287	.183	.779	-.243
160	408	-.106	.132	.307	-.595
160	409	.097	.126	.553	-.330
160	410	.188	.145	.740	-.247
160	411	.310	.143	.866	-.117
160	412	.366	.153	.793	-.113
160	413	.419	.156	.849	-.074
160	414	.381	.171	.884	-.151
160	415	.460	.171	.943	-.089
160	416	.462	.181	1.242	-.123
160	417	-.046	.118	.414	-.454
160	418	-.027	.129	.534	-.455
160	419	.266	.137	.826	-.136
160	420	.364	.156	1.009	-.129
160	421	.447	.161	1.085	-.057
160	422	.419	.182	1.069	-.175
160	423	.463	.181	1.039	-.145
160	424	-.056	.121	.323	-.481
160	425	.061	.121	.488	-.340
160	426	.143	.142	.628	-.253
160	427	.265	.142	.804	-.119
160	428	.309	.131	.771	-.175
160	429	.375	.131	.904	-.096
160	430	.323	.147	.880	-.194
160	431	.413	.146	.931	-.158
160	432	.409	.171	1.110	-.239
160	433	-.144	.119	.270	-.663
160	434	-.130	.130	.312	-.630
160	435	.161	.135	.677	-.299
160	436	.229	.128	.664	-.196
160	437	.306	.131	.740	-.108
160	438	.248	.149	.764	-.250
160	439	.312	.149	.809	-.168
160	440	-.239	.116	.134	-.641
160	441	-.109	.112	.350	-.489
160	442	-.103	.109	.349	-.518
160	443	.028	.104	.413	-.373
160	444	.083	.100	.528	-.263
160	445	.146	.099	.501	-.185
160	446	.062	.111	.465	-.313
160	447	.175	.112	.553	-.183
160	448	.166	.114	.336	-.209
160	449	-.202	.094	.119	-.575
160	450	-.021	.099	.289	-.370
160	451	.118	.092	.431	-.180
160	452	.140	.109	.524	-.180
160	453	.118	.094	.416	-.235
160	454	-.257	.109	.098	-.622
160	455	-.111	.114	.371	-.494
160	456	.722	.071	.970	-.459
160	457	.228	.105	.657	-.097
160	458	.028	.102	.393	-.325
160	459	.204	.107	.616	-.144
160	460	.232	.115	.799	-.129

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	461	.249	.112	.750	-.090
160	501	.155	.185	.747	-.548
160	502	.219	.163	.774	-.464
160	503	.120	.132	.581	-.338
160	504	.104	.126	.549	-.349
160	505	.033	.126	.502	-.375
160	506	-.040	.122	.555	-.368
160	507	-.029	.120	.513	-.475
160	508	-.089	.110	.457	-.495
160	509	.486	.171	1.146	-.065
160	510	.507	.162	1.149	-.020
160	511	.466	.171	1.065	-.125
160	512	.423	.158	.990	-.128
160	513	.327	.153	.826	-.166
160	514	.242	.137	.690	-.180
160	515	.042	.107	.495	-.304
160	516	-.065	.099	.332	-.416
160	517	.482	.177	1.065	-.197
160	518	.506	.167	1.057	-.123
160	519	.485	.154	1.004	.050
160	520	.446	.142	.877	.036
160	521	.338	.136	.750	-.050
160	522	.227	.115	.614	-.134
160	523	.019	.106	.510	-.322
160	524	-.082	.097	.361	-.420
160	525	.401	.174	1.094	-.167
160	526	.430	.167	1.042	-.103
160	527	.408	.150	1.001	-.074
160	528	.371	.140	.923	-.062
160	529	.267	.138	.858	-.150
160	530	.165	.120	.659	-.196
160	531	-.001	.102	.376	-.319
160	532	-.103	.097	.234	-.423
160	533	.335	.159	.896	-.181
160	534	.365	.151	.884	-.156
160	535	.323	.143	.921	-.147
160	536	.291	.130	.827	-.112
160	537	.191	.126	.671	-.252
160	538	.102	.112	.543	-.378
160	539	-.060	.105	.386	-.417
160	540	-.153	.101	.237	-.507
160	541	.160	.127	.625	-.297
160	542	.194	.121	.669	-.193
160	543	.220	.109	.714	-.153
160	544	.201	.105	.652	-.149
160	545	.077	.106	.523	-.270
160	546	-.001	.106	.384	-.362
160	547	-.138	.096	.242	-.463
160	548	-.211	.096	.146	-.559
160	549	.118	.108	.517	-.214
160	550	.318	.143	.863	-.137
160	551	.283	.118	.748	-.054
160	552	.065	.096	.395	-.246
160	553	.098	.124	.600	-.331
160	554	.120	.108	.574	-.263
160	555	.009	.104	.388	-.451
160	556	.028	.090	.314	-.312
160	557	-.006	.099	.305	-.362
160	558	.082	.122	.637	-.434
160	559	.017	.110	.460	-.403
160	560	-.044	.105	.334	-.483
160	601	-.311	.118	.115	-.787
160	602	-.339	.113	.168	-.817
160	603	-.336	.117	.168	-.867
160	604	-.285	.105	.152	-.652
160	605	-.360	.106	-.028	-.781
160	606	-.323	.112	.033	-.731
160	607	-.300	.106	.056	-.701
160	608	-.295	.105	.075	-.696
160	609	-.314	.106	.055	-.788
160	610	-.339	.106	.034	-.728
160	611	-.344	.103	.020	-.711
160	612	-.329	.102	.041	-.705
160	613	-.377	.106	.003	-.776
160	614	-.378	.106	-.010	-.793
160	615	-.349	.106	.002	-.776
160	616	-.470	.119	-.087	-.956
160	617	-.377	.110	-.026	-.828
160	618	-.392	.099	-.031	-.708
160	619	-.010	.089	.277	-.305
160	620	-.087	.095	.266	-.400
160	621	-.021	.087	.256	-.302
160	622	-.060	.095	.239	-.400
160	623	-.024	.091	.270	-.344
160	624	-.435	.123	.042	-.954
160	625	-.331	.116	.114	-.874
160	626	-.342	.116	.125	-.852
160	801	.033	.102	.393	-.273
160	802	-.125	.153	.272	-.868
160	803	-.002	.094	.276	-.295
160	804	-.033	.096	.281	-.389
160	805	-.000	.096	.313	-.365
160	901	-.450	.147	.010	-1.025
160	902	-.418	.132	.012	-.992
160	903	-.420	.166	.041	-1.375
160	904	-.450	.149	-.029	-1.028
160	905	-.425	.145	-.043	-1.069
160	906	-.425	.158	-.097	-1.339
160	907	-.418	.142	-.016	-1.020
160	908	-.425	.145	.007	-1.127
160	909	-.374	.135	.077	-.901
160	910	-.348	.141	.155	-.935
160	911	-.395	.157	.146	-1.103
160	912	-.395	.154	.015	-1.382
160	913	-.410	.161	.019	-1.456
160	914	-.382	.147	.101	-1.121
160	915	-.355	.146	.048	-1.101
160	916	.139	.108	.545	-.225
160	917	.324	.166	1.104	-.138
160	918	.305	.154	.791	-.096
160	919	.123	.106	.414	-.175
160	920	.157	.117	.583	-.187
160	1001	-.092	.097	.200	-.532
160	1002	-.016	.087	.240	-.312
160	1003	.017	.093	.310	-.288
160	1004	.085	.092	.389	-.235
160	1005	.074	.104	.452	-.333
160	1006	.184	.109	.554	-.190
160	1007	.139	.105	.539	-.201
160	1008	.161	.106	.572	-.132
160	1009	-.099	.101	.244	-.473
160	1010	-.024	.087	.287	-.297
160	1011	-.015	.084	.261	-.321
160	1012	.046	.089	.379	-.274
160	1013	.054	.106	.473	-.290
160	1014	.171	.112	.741	-.195
160	1015	.137	.093	.481	-.194
160	1016	.148	.093	.483	-.195
160	1017	-.141	.091	.192	-.466
160	1018	-.051	.083	.259	-.335
160	1019	-.043	.090	.250	-.362
160	1020	.102	.095	.405	-.271
160	1021	.083	.096	.395	-.284
160	1022	-.063	.091	.210	-.342
160	1023	-.067	.090	.204	-.369
160	1024	.121	.085	.391	-.223
160	1101	.037	.117	.459	-.436
160	1102	.145	.117	.645	-.246
160	1103	-.042	.093	.278	-.384
160	1104	.092	.104	.450	-.268
160	1105	.041	.115	.413	-.506
160	1106	.201	.117	.655	-.194
160	1107	-.147	.114	.224	-.594
160	1108	-.146	.131	.270	-1.070
160	1109	-.109	.105	.286	-.628
160	1201	.082	.089	.369	-.249
160	1202	.058	.088	.355	-.276
160	1203	-.016	.088	.271	-.344
160	1204	.113	.093	.475	-.227
160	1205	.126	.091	.461	-.211

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	1206	.146	.097	.527	-.173
160	1207	.067	.096	.332	-.226
160	1208	.057	.089	.330	-.215
160	1209	-.014	.086	.235	-.298
170	101	-.321	.123	.077	-1.011
170	102	-.322	.125	.089	-.799
170	103	-.389	.136	.094	-.892
170	104	-.324	.127	.075	-.804
170	105	-.282	.125	.084	-.805
170	106	-.281	.126	.088	-.686
170	107	-.309	.125	.054	-.766
170	108	-.296	.105	.005	-.782
170	109	-.307	.114	.013	-.785
170	110	-.245	.097	.013	-.578
170	111	-.275	.098	-.020	-.614
170	112	-.288	.108	.035	-.678
170	113	-.291	.107	.019	-.655
170	114	-.254	.105	.057	-.610
170	115	-.300	.107	.015	-.665
170	116	-.335	.113	.013	-.773
170	117	-.288	.102	.017	-.662
170	118	-.247	.098	.051	-.602
170	119	-.277	.100	.020	-.647
170	120	-.301	.096	.020	-.616
170	121	-.305	.095	.033	-.635
170	122	-.261	.093	.057	-.597
170	123	-.300	.095	.007	-.691
170	124	-.329	.104	.090	-.675
170	125	-.355	.108	.096	-.773
170	126	-.271	.097	.041	-.602
170	127	-.306	.098	.010	-.637
170	128	-.310	.103	.050	-.691
170	129	-.313	.105	.139	-.721
170	130	-.274	.104	.094	-.645
170	131	-.323	.109	.063	-.698
170	132	-.328	.111	.056	-.689
170	133	-.355	.103	.019	-.712
170	134	-.312	.100	.059	-.652
170	135	-.345	.101	.021	-.691
170	136	-.372	.106	-.038	-.745
170	137	-.375	.110	-.038	-.757
170	138	-.324	.109	.010	-.707
170	139	-.366	.112	.045	-.763
170	140	-.342	.103	.036	-.730
170	141	-.325	.104	.018	-.686
170	142	-.451	.107	-.110	-.813
170	143	-.354	.099	-.045	-.690
170	144	-.393	.108	-.063	-.858
170	145	-.404	.110	-.056	-.841
170	146	-.360	.109	-.012	-.779
170	147	-.404	.112	-.038	-.879
170	148	-.412	.112	-.058	-.866
170	149	-.350	.110	.022	-.773
170	150	-.304	.106	.053	-.688
170	151	-.338	.108	.023	-.725
170	152	-.351	.105	.014	-.751
170	153	-.367	.104	-.018	-.740
170	154	-.322	.101	.014	-.671
170	155	-.365	.102	-.024	-.708
170	156	-.398	.099	-.081	-.853
170	157	-.404	.101	-.086	-.880
170	201	-.321	.145	.091	-1.132
170	202	-.350	.138	.057	-1.161
170	203	-.350	.129	.069	-.960
170	204	-.347	.121	.055	-1.084
170	205	-.317	.115	.087	-.825
170	206	-.307	.112	.091	-.783
170	207	-.316	.117	.137	-.768
170	208	-.301	.116	.137	-.724
170	209	-.346	.127	.072	-1.026
170	210	-.356	.128	.089	-.977
170	211	-.341	.108	-.001	-.738
170	212	-.323	.104	.005	-.747
170	213	-.293	.101	.043	-.722
170	214	-.293	.102	.045	-.720
170	215	-.296	.114	.160	-.703
170	216	-.284	.116	.163	-.788
170	217	-.332	.124	.120	-.890
170	218	-.339	.123	.113	-.942
170	219	-.341	.102	.043	-.708
170	220	-.329	.101	.033	-.686
170	221	-.304	.099	.057	-.650
170	222	-.304	.107	.140	-.715
170	223	-.319	.113	.105	-.783
170	224	-.311	.117	.144	-.812
170	225	-.339	.117	-.001	-.774
170	226	-.349	.115	.013	-.803
170	227	-.351	.098	.032	-.659
170	228	-.340	.096	-.002	-.642
170	229	-.318	.095	.005	-.634
170	230	-.319	.100	-.002	-.638
170	231	-.327	.111	.043	-.763
170	232	-.317	.114	.048	-.781
170	233	-.376	.114	.016	-.869
170	234	-.378	.114	.021	-.797
170	235	-.373	.106	-.011	-.715
170	236	-.361	.103	-.011	-.687
170	237	-.338	.102	-.022	-.653
170	238	-.338	.105	.006	-.707
170	239	-.348	.111	.024	-.747
170	240	-.338	.113	.045	-.811
170	241	-.388	.108	-.043	-.827
170	242	-.397	.109	-.055	-.833
170	243	-.425	.107	-.077	-.840
170	244	-.406	.105	-.080	-.759
170	245	-.378	.103	-.079	-.734
170	246	-.377	.104	-.069	-.794
170	247	-.372	.116	.073	-.748
170	248	-.360	.116	.084	-.748
170	249	-.372	.120	-.017	-.937
170	250	-.361	.117	.053	-.815
170	251	-.370	.114	.001	-.793
170	252	-.380	.112	-.080	-.816
170	253	-.368	.111	-.065	-.784
170	254	-.376	.108	-.074	-.733
170	255	-.374	.099	-.067	-.719
170	256	-.349	.101	-.003	-.694
170	257	-.354	.099	-.005	-.704
170	258	-.356	.099	-.058	-.701
170	259	-.361	.106	-.016	-.746
170	260	-.364	.105	-.029	-.765
170	261	-.341	.104	-.007	-.693
170	262	-.333	.112	.007	-.716
170	263	-.354	.114	-.035	-.797
170	264	-.342	.115	.029	-.770
170	265	-.334	.114	.027	-.737
170	301	-.288	.133	.135	-.897
170	302	-.243	.165	.360	-.911
170	303	-.571	.274	.414	-2.236
170	304	-.217	.128	.126	-1.187
170	305	-.367	.279	.324	-2.351
170	306	-.583	.240	.407	-2.006
170	307	-.289	.157	.194	-1.357
170	308	-.406	.263	.325	-1.682
170	309	-.621	.245	.253	-1.747
170	310	-.331	.164	.161	-1.124
170	311	-.436	.230	.308	-1.388
170	312	-.478	.223	.179	-1.286
170	313	-.395	.158	.227	-1.250
170	314	-.464	.214	.287	-1.368
170	315	-.568	.210	.022	-1.550
170	316	-.322	.131	.058	-.877
170	317	-.515	.198	.084	-1.482
170	318	-.624	.196	.148	-1.426
170	319	-.042	.142	.479	-.836
170	320	.076	.105	.398	-.363
170	321	-.001	.111	.383	-.475
170	322	.085	.094	.430	-.221
170	323	.099	.104	.476	-.217
170	324	-.228	.105	.119	-.664

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	325	-.343	.137	.129	-.845
170	326	-.427	.163	.141	-1.031
170	401	-.042	.163	.674	-.642
170	402	.031	.181	.624	-.701
170	403	.195	.160	.747	-.448
170	404	.217	.171	.846	-.336
170	405	.258	.165	.828	-.288
170	406	.186	.194	.843	-.465
170	407	.291	.184	.903	-.504
170	408	-.063	.161	.478	-.678
170	409	.160	.158	.732	-.436
170	410	.212	.179	.822	-.406
170	411	.343	.170	.912	-.222
170	412	.429	.175	1.030	-.195
170	413	.481	.174	1.132	-.153
170	414	.419	.196	1.152	-.272
170	415	.494	.182	1.107	-.052
170	416	.439	.187	.977	-.148
170	417	-.035	.135	.436	-.595
170	418	-.038	.157	.520	-.580
170	419	.270	.152	.812	-.257
170	420	.382	.162	.906	-.130
170	421	.454	.162	.993	-.030
170	422	.387	.186	1.039	-.186
170	423	.438	.175	1.036	-.123
170	424	-.071	.131	.468	-.507
170	425	.054	.127	.575	-.353
170	426	.093	.139	.653	-.334
170	427	.237	.134	.775	-.176
170	428	.319	.138	.818	-.064
170	429	.390	.141	.893	-.028
170	430	.310	.165	.911	-.258
170	431	.416	.160	.943	-.109
170	432	.380	.174	.949	-.152
170	433	-.129	.119	.329	-.571
170	434	-.158	.129	.304	-.589
170	435	.156	.114	.558	-.152
170	436	.250	.135	.828	-.135
170	437	.333	.139	.954	-.071
170	438	.255	.165	.920	-.266
170	439	.337	.156	.875	-.175
170	440	-.218	.114	.197	-.698
170	441	-.075	.112	.418	-.548
170	442	-.109	.109	.337	-.460
170	443	.046	.102	.450	-.292
170	444	.102	.096	.615	-.203
170	445	.169	.095	.680	-.130
170	446	.057	.110	.585	-.307
170	447	.192	.110	.828	-.188
170	448	.187	.121	.676	-.160
170	449	-.174	.088	.107	-.498
170	450	-.038	.100	.332	-.406
170	451	.115	.092	.461	-.186
170	452	.129	.093	.462	-.174
170	453	.140	.103	.515	-.280
170	454	-.266	.109	.134	-.639
170	455	-.094	.105	.357	-.447
170	456	.697	.071	.988	.408
170	457	.222	.102	.721	-.132
170	458	.002	.103	.464	-.372
170	459	.195	.104	.701	-.166
170	460	.228	.110	.670	-.087
170	461	.240	.100	.725	-.123
170	501	.057	.183	.735	-.664
170	502	.162	.142	.711	-.444
170	503	.102	.131	.611	-.385
170	504	.085	.126	.574	-.405
170	505	.015	.120	.435	-.532
170	506	.008	.121	.490	-.535
170	507	-.076	.124	.375	-.528
170	508	-.127	.114	.267	-.560
170	509	.432	.232	1.094	-.493
170	510	.454	.217	1.057	-.329
170	511	.442	.174	1.018	-.379
170	512	.388	.159	.861	-.145
170	513	.281	.151	.738	-.216
170	514	.186	.135	.638	-.266
170	515	.003	.107	.398	-.442
170	516	-.086	.101	.285	-.510
170	517	.437	.203	1.030	-.367
170	518	.462	.192	1.028	-.337
170	519	.467	.166	1.092	-.107
170	520	.417	.152	.967	-.036
170	521	.297	.144	.840	-.142
170	522	.181	.124	.612	-.231
170	523	-.018	.104	.380	-.384
170	524	-.105	.098	.246	-.418
170	525	.397	.189	.965	-.529
170	526	.422	.179	.960	-.513
170	527	.393	.162	.969	-.060
170	528	.349	.146	.883	-.079
170	529	.232	.137	.751	-.177
170	530	.134	.116	.546	-.213
170	531	-.035	.098	.321	-.491
170	532	-.115	.095	.207	-.512
170	533	.332	.168	.962	-.401
170	534	.357	.157	.961	-.311
170	535	.321	.139	.835	-.112
170	536	.277	.127	.770	-.105
170	537	.162	.124	.614	-.227
170	538	.074	.113	.520	-.280
170	539	-.090	.102	.257	-.408
170	540	-.163	.102	.170	-.481
170	541	.174	.128	.694	-.299
170	542	.202	.125	.732	-.299
170	543	.227	.114	.845	-.154
170	544	.183	.102	.542	-.174
170	545	.047	.099	.408	-.308
170	546	-.023	.098	.320	-.382
170	547	-.157	.095	.219	-.431
170	548	-.218	.100	.114	-.521
170	549	.124	.099	.468	-.244
170	550	.319	.134	.851	-.143
170	551	.233	.121	.661	-.102
170	552	.017	.098	.406	-.319
170	553	.118	.119	.610	-.317
170	554	.135	.111	.590	-.188
170	555	-.065	.109	.273	-.465
170	556	-.025	.094	.278	-.418
170	557	-.073	.102	.258	-.461
170	558	.013	.116	.476	-.427
170	559	-.018	.116	.414	-.513
170	560	-.067	.111	.361	-.510
170	601	-.283	.103	.018	-.668
170	602	-.324	.116	.065	-.753
170	603	-.317	.121	.072	-.740
170	604	-.277	.111	.096	-.710
170	605	-.350	.107	.002	-.732
170	606	-.294	.097	.046	-.624
170	607	-.269	.093	.018	-.668
170	608	-.271	.092	.017	-.666
170	609	-.283	.093	.005	-.676
170	610	-.301	.100	.040	-.695
170	611	-.300	.098	.031	-.729
170	612	-.300	.097	.025	-.719
170	613	-.339	.100	.015	-.756
170	614	-.340	.096	-.018	-.654
170	615	-.300	.097	.028	-.616
170	616	-.472	.108	-.083	-.818
170	617	-.345	.098	.001	-.652
170	618	-.361	.099	.027	-.700
170	619	-.061	.086	.180	-.327
170	620	-.174	.093	.126	-.452
170	621	-.076	.086	.187	-.330
170	622	-.101	.095	.292	-.396
170	623	-.046	.090	.297	-.412
170	624	-.426	.128	.071	-.905
170	625	-.289	.115	.146	-.736
170	626	-.322	.108	.200	-.759
170	801	-.000	.094	.303	-.325

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	802	-.217	.138	.255	-1.017
170	803	-.046	.094	.303	-.386
170	804	-.083	.088	.232	-.382
170	805	-.049	.087	.261	-.354
170	901	-.500	.166	.034	-1.109
170	902	-.452	.145	.087	-1.028
170	903	-.459	.184	.109	-1.440
170	904	-.479	.156	.091	-.948
170	905	-.450	.149	.029	-1.098
170	906	-.455	.168	.066	-1.325
170	907	-.398	.142	.034	-.985
170	908	-.397	.152	.164	-1.050
170	909	-.393	.144	.044	-1.143
170	910	-.340	.146	.263	-.960
170	911	-.350	.159	.102	-1.021
170	912	-.405	.162	.037	-1.441
170	913	-.386	.172	.196	-1.208
170	914	-.343	.151	.130	-1.235
170	915	-.259	.150	.402	-.997
170	916	.112	.112	.480	-.388
170	917	.392	.174	1.295	-.106
170	918	.262	.136	.752	-.161
170	919	.103	.098	.466	-.223
170	920	.088	.110	.533	-.277
170	1001	-.117	.096	.184	-.646
170	1002	-.048	.088	.248	-.392
170	1003	-.025	.089	.265	-.328
170	1004	.052	.088	.324	-.266
170	1005	.046	.102	.344	-.335
170	1006	.189	.113	.604	-.187
170	1007	.160	.095	.473	-.151
170	1008	.182	.095	.491	-.134
170	1009	-.110	.091	.233	-.458
170	1010	-.044	.082	.247	-.361
170	1011	-.040	.086	.229	-.305
170	1012	.018	.094	.392	-.336
170	1013	.022	.110	.440	-.361
170	1014	.196	.121	.707	-.159
170	1015	.149	.087	.435	-.139
170	1016	.151	.086	.430	-.134
170	1017	-.160	.095	.141	-.452
170	1018	-.070	.088	.217	-.346
170	1019	-.057	.091	.259	-.370
170	1020	.110	.090	.419	-.257
170	1021	.074	.093	.401	-.235
170	1022	-.076	.090	.226	-.395
170	1023	-.077	.094	.243	-.432
170	1024	.115	.089	.394	-.186
170	1101	-.006	.124	.364	-.767
170	1102	.089	.119	.661	-.295
170	1103	-.100	.100	.316	-.434
170	1104	.065	.108	.490	-.339
170	1105	.016	.116	.527	-.458
170	1106	.132	.114	.533	-.247
170	1107	-.150	.122	.187	-.884
170	1108	-.164	.165	.302	-.864
170	1109	-.083	.121	.346	-.495
170	1201	.044	.082	.296	-.279
170	1202	.017	.085	.264	-.313
170	1203	-.056	.088	.211	-.386
170	1204	.140	.100	.479	-.227
170	1205	.155	.098	.457	-.194
170	1206	.153	.096	.551	-.142
170	1207	.083	.094	.408	-.226
170	1208	.083	.092	.438	-.257
170	1209	.001	.093	.298	-.313
180	101	-.265	.118	.111	-.757
180	102	-.276	.123	.122	-.866
180	103	-.344	.130	.143	-.853
180	104	-.272	.122	.111	-.663
180	105	-.271	.121	.132	-.693
180	106	-.232	.114	.144	-.768
180	107	-.264	.116	.096	-.695
180	108	-.281	.123	.122	-.840
180	109	-.300	.133	.111	-1.013
180	110	-.253	.104	.118	-.635
180	111	-.249	.103	.125	-.629
180	112	-.248	.110	.123	-.706
180	113	-.250	.111	.154	-.674
180	114	-.261	.112	.118	-.694
180	115	-.281	.112	.086	-.728
180	116	-.311	.109	.019	-.675
180	117	-.252	.094	.081	-.629
180	118	-.254	.093	.084	-.615
180	119	-.246	.092	.060	-.591
180	120	-.248	.096	.051	-.573
180	121	-.251	.095	.029	-.588
180	122	-.254	.095	.032	-.600
180	123	-.261	.095	.019	-.607
180	124	-.298	.102	.086	-.643
180	125	-.320	.104	.060	-.658
180	126	-.283	.098	.095	-.578
180	127	-.279	.097	.106	-.578
180	128	-.272	.093	.118	-.585
180	129	-.280	.094	.078	-.579
180	130	-.296	.095	.097	-.624
180	131	-.317	.098	.104	-.661
180	132	-.336	.100	.008	-.700
180	133	-.313	.096	.074	-.656
180	134	-.316	.096	.080	-.646
180	135	-.307	.096	.093	-.611
180	136	-.302	.103	.018	-.784
180	137	-.303	.102	.029	-.713
180	138	-.305	.102	.016	-.696
180	139	-.309	.103	.046	-.698
180	140	-.308	.094	.005	-.681
180	141	-.293	.095	.006	-.650
180	142	-.410	.100	-.040	-.764
180	143	-.310	.093	.056	-.631
180	144	-.339	.107	.002	-.700
180	145	-.340	.109	.098	-.803
180	146	-.349	.108	.008	-.705
180	147	-.357	.109	-.020	-.697
180	148	-.368	.111	-.037	-.803
180	149	-.325	.105	.019	-.754
180	150	-.328	.105	-.002	-.749
180	151	-.322	.104	.017	-.723
180	152	-.332	.102	-.003	-.692
180	153	-.334	.102	-.008	-.734
180	154	-.339	.103	.009	-.779
180	155	-.338	.105	-.014	-.805
180	156	-.344	.113	.038	-.907
180	157	-.345	.111	.003	-.781
180	201	-.345	.156	.129	-1.070
180	202	-.331	.146	.155	-.980
180	203	-.338	.136	.118	-1.065
180	204	-.315	.128	.097	-1.054
180	205	-.304	.132	.155	-1.305
180	206	-.286	.116	.088	-1.122
180	207	-.297	.115	.049	-.726
180	208	-.279	.114	.073	-.707
180	209	-.353	.125	.049	-.863
180	210	-.351	.125	.074	-.850
180	211	-.320	.108	.059	-.708
180	212	-.292	.105	.070	-.678
180	213	-.280	.103	.072	-.673
180	214	-.269	.102	.077	-.691
180	215	-.281	.099	.064	-.625
180	216	-.263	.100	.074	-.612
180	217	-.365	.116	.050	-.798
180	218	-.359	.114	.025	-.810
180	219	-.325	.104	.018	-.702
180	220	-.296	.099	.047	-.688
180	221	-.288	.096	.012	-.633
180	222	-.275	.099	.075	-.617
180	223	-.273	.098	.053	-.627
180	224	-.256	.098	.069	-.605
180	225	-.342	.109	.022	-.740
180	226	-.336	.108	-.023	-.730
180	227	-.326	.098	-.031	-.659

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	228	-.300	.096	-.001	-.610
180	229	-.296	.096	-.009	-.599
180	230	-.284	.098	.007	-.600
180	231	-.303	.099	.037	-.705
180	232	-.286	.101	.050	-.714
180	233	-.379	.104	-.068	-.759
180	234	-.362	.119	.040	-1.343
180	235	-.360	.103	-.005	-.712
180	236	-.334	.099	.013	-.678
180	237	-.331	.098	.022	-.681
180	238	-.317	.099	.034	-.705
180	239	-.328	.103	.006	-.879
180	240	-.310	.103	.024	-.920
180	241	-.379	.112	-.024	-.778
180	242	-.373	.112	-.019	-.786
180	243	-.375	.105	-.035	-.801
180	244	-.353	.102	-.035	-.726
180	245	-.352	.101	-.039	-.772
180	246	-.338	.101	-.033	-.679
180	247	-.353	.109	-.025	-.872
180	248	-.335	.109	-.001	-.855
180	249	-.375	.111	.004	-.870
180	250	-.349	.109	.049	-.873
180	251	-.341	.114	.023	-.762
180	252	-.351	.114	-.013	-.860
180	253	-.361	.113	-.017	-.843
180	254	-.352	.111	-.002	-.823
180	255	-.355	.105	.038	-.858
180	256	-.322	.107	.060	-.816
180	257	-.357	.106	.033	-.800
180	258	-.342	.105	.035	-.760
180	259	-.326	.102	.010	-.678
180	260	-.323	.103	.009	-.690
180	261	-.325	.100	.011	-.677
180	262	-.304	.104	.040	-.694
180	263	-.316	.115	.080	-.840
180	264	-.297	.116	.099	-.850
180	265	-.314	.116	.081	-.745
180	301	-.262	.116	.151	-.705
180	302	-.108	.137	.405	-.829
180	303	-.260	.233	.551	-1.466
180	304	-.122	.108	.246	-.855
180	305	-.106	.220	.488	-1.601
180	306	-.278	.262	.686	-1.289
180	307	-.154	.112	.236	-.892
180	308	-.077	.223	.518	-1.085
180	309	-.409	.262	.492	-1.324
180	310	-.206	.121	.231	-.819
180	311	-.156	.231	.520	-1.103
180	312	-.310	.242	.497	-1.032
180	313	-.330	.121	.075	-.986
180	314	-.197	.204	.355	-.956
180	315	-.379	.221	.346	-1.392
180	316	-.210	.105	.117	-.728
180	317	-.332	.183	.122	-1.089
180	318	-.389	.192	.314	-1.064
180	319	.047	.140	.480	-.606
180	320	.080	.095	.364	-.434
180	321	.004	.110	.345	-.467
180	322	.055	.090	.387	-.257
180	323	.100	.107	.496	-.268
180	324	-.171	.096	.163	-.633
180	325	-.228	.124	.240	-.872
180	326	-.285	.148	.177	-.866
180	401	.120	.192	.698	-.619
180	402	.215	.194	.780	-.640
180	403	.233	.183	.869	-.448
180	404	.243	.177	.787	-.389
180	405	.242	.181	.807	-.411
180	406	.233	.192	.851	-.514
180	407	.197	.191	.801	-.805
180	408	.167	.195	.903	-.390
180	409	.308	.194	.959	-.230
180	410	.382	.195	.973	-.216
180	411	.417	.197	.957	-.214
180	412	.421	.201	1.020	-.115
180	413	.437	.204	1.041	-.115
180	414	.410	.205	1.028	-.149
180	415	.378	.205	1.043	-.227
180	416	.292	.204	.990	-.412
180	417	.127	.199	.854	-.414
180	418	.213	.206	.947	-.366
180	419	.354	.194	1.104	-.193
180	420	.355	.176	1.013	-.118
180	421	.359	.173	.944	-.154
180	422	.287	.173	.928	-.264
180	423	.239	.178	.843	-.402
180	424	.051	.185	.738	-.454
180	425	.130	.185	.807	-.363
180	426	.199	.166	.852	-.247
180	427	.240	.160	.849	-.227
180	428	.267	.151	.780	-.184
180	429	.287	.145	.757	-.135
180	430	.248	.141	.725	-.164
180	431	.231	.139	.784	-.171
180	432	.217	.146	.728	-.202
180	433	-.031	.169	.591	-.744
180	434	.026	.159	.644	-.517
180	435	.163	.131	.720	-.241
180	436	.207	.127	.896	-.172
180	437	.228	.122	.822	-.127
180	438	.180	.125	.786	-.255
180	439	.177	.133	.839	-.265
180	440	-.096	.132	.361	-.486
180	441	-.025	.123	.413	-.489
180	442	.012	.102	.573	-.331
180	443	.055	.098	.527	-.243
180	444	.089	.099	.438	-.252
180	445	.117	.098	.481	-.213
180	446	.086	.099	.495	-.238
180	447	.121	.100	.497	-.195
180	448	.128	.102	.495	-.166
180	449	-.113	.099	.224	-.545
180	450	.055	.091	.412	-.247
180	451	.110	.090	.466	-.180
180	452	.122	.093	.393	-.171
180	453	.120	.096	.434	-.243
180	454	-.085	.111	.337	-.454
180	455	-.023	.112	.389	-.448
180	456	.688	.076	.960	.476
180	457	.179	.106	.600	-.130
180	458	.078	.101	.434	-.217
180	459	.170	.107	.565	-.136
180	460	.178	.097	.648	-.136
180	461	.161	.095	.490	-.158
180	501	-.128	.225	.585	-1.207
180	502	-.025	.199	.559	-.785
180	503	-.006	.140	.474	-.598
180	504	.005	.138	.555	-.597
180	505	-.074	.141	.458	-.640
180	506	-.035	.135	.485	-.552
180	507	-.090	.114	.301	-.798
180	508	-.124	.104	.264	-.805
180	509	.089	.256	.952	-1.112
180	510	.161	.242	.915	-.873
180	511	.242	.163	.756	-.330
180	512	.220	.147	.681	-.241
180	513	.111	.148	.589	-.323
180	514	.074	.131	.575	-.436
180	515	-.049	.107	.391	-.420
180	516	-.105	.097	.254	-.449
180	517	.059	.244	.777	-1.184
180	518	.142	.232	.817	-.742
180	519	.234	.158	.870	-.219
180	520	.215	.141	.728	-.146
180	521	.094	.137	.538	-.257
180	522	.049	.116	.406	-.342
180	523	-.074	.101	.288	-.423
180	524	-.120	.092	.196	-.422
180	525	.021	.215	.762	-.666

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	526	.131	.206	.801	-.571
180	527	.177	.141	.770	-.415
180	528	.165	.124	.689	-.203
180	529	.005	.128	.577	-.357
180	530	.019	.111	.501	-.310
180	531	-.085	.095	.416	-.387
180	532	-.132	.091	.279	-.421
180	533	.019	.190	.595	-.931
180	534	.127	.178	.669	-.731
180	535	.175	.141	.715	-.488
180	536	.156	.130	.652	-.228
180	537	-.012	.132	.404	-.390
180	538	.007	.117	.431	-.411
180	539	-.118	.097	.276	-.459
180	540	-.165	.094	.208	-.500
180	541	.024	.135	.834	-.399
180	542	.117	.127	.905	-.292
180	543	.114	.100	.475	-.279
180	544	.085	.094	.386	-.223
180	545	-.115	.096	.206	-.437
180	546	-.064	.095	.283	-.357
180	547	-.150	.103	.225	-.540
180	548	-.194	.102	.194	-.604
180	549	-.025	.107	.333	-.427
180	550	.189	.123	.748	-.171
180	551	.118	.105	.488	-.195
180	552	-.035	.090	.292	-.314
180	553	-.037	.111	.361	-.466
180	554	.091	.101	.456	-.263
180	555	-.097	.104	.254	-.631
180	556	-.055	.088	.279	-.385
180	557	-.207	.103	.181	-.574
180	558	-.038	.102	.399	-.370
180	559	-.077	.102	.310	-.487
180	560	-.110	.097	.267	-.477
180	601	-.257	.118	.097	-.793
180	602	-.271	.117	.181	-.699
180	603	-.259	.123	.193	-.751
180	604	-.249	.107	.161	-.588
180	605	-.319	.108	.041	-.697
180	606	-.263	.105	.141	-.635
180	607	-.232	.101	.168	-.614
180	608	-.258	.101	.144	-.627
180	609	-.256	.101	.153	-.625
180	610	-.260	.097	.064	-.606
180	611	-.248	.096	.081	-.604
180	612	-.272	.096	.067	-.634
180	613	-.285	.098	.101	-.652
180	614	-.269	.088	.035	-.662
180	615	-.272	.092	.055	-.645

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	616	-.301	.097	.018	-.668
180	617	-.296	.096	.023	-.653
180	618	-.302	.098	.041	-.695
180	619	-.117	.090	.217	-.414
180	620	-.108	.089	.222	-.401
180	621	-.115	.089	.228	-.395
180	622	-.121	.087	.169	-.416
180	623	-.094	.086	.188	-.375
180	624	-.293	.103	.049	-.701
180	625	-.278	.102	.057	-.633
180	626	-.282	.097	.070	-.777
180	801	.006	.096	.352	-.334
180	802	-.278	.141	.108	-.946
180	803	-.086	.086	.249	-.399
180	804	-.116	.087	.157	-.426
180	805	-.075	.085	.200	-.385
180	901	-.488	.170	.006	-1.157
180	902	-.429	.142	-.045	-1.025
180	903	-.506	.191	-.030	-1.444
180	904	-.448	.146	-.006	-1.149
180	905	-.430	.141	.061	-1.045
180	906	-.426	.149	.094	-1.109
180	907	-.411	.144	.105	-.934
180	908	-.354	.151	.265	-.965
180	909	-.389	.143	.162	-1.053
180	910	-.352	.146	.204	-.879
180	911	-.295	.170	.337	-.845
180	912	-.363	.162	.117	-1.345
180	913	-.309	.160	.271	-1.058
180	914	-.272	.142	.230	-.885
180	915	-.237	.147	.431	-.761
180	916	.043	.100	.380	-.291
180	917	.246	.139	1.121	-.138
180	918	.116	.119	.656	-.219
180	919	-.018	.088	.303	-.310
180	920	.015	.106	.444	-.315
180	1001	-.147	.098	.145	-.973
180	1002	-.080	.091	.213	-.463
180	1003	-.064	.091	.243	-.401
180	1004	.002	.088	.339	-.306
180	1005	-.027	.097	.333	-.359
180	1006	.105	.102	.438	-.216
180	1007	.089	.093	.414	-.261
180	1008	.112	.089	.397	-.300
180	1009	-.133	.094	.191	-.520
180	1010	-.063	.086	.227	-.381
180	1011	-.065	.089	.252	-.353
180	1012	-.020	.092	.297	-.331
180	1013	-.041	.108	.365	-.376
180	1014	.121	.108	.574	-.182

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	1015	.100	.097	.455	-.386
180	1016	.108	.094	.407	-.258
180	1017	-.160	.095	.107	-.536
180	1018	-.084	.087	.165	-.388
180	1019	-.070	.097	.246	-.407
180	1020	.086	.100	.415	-.317
180	1021	.041	.102	.390	-.338
180	1022	-.082	.095	.233	-.412
180	1023	-.088	.090	.175	-.401
180	1024	.088	.089	.396	-.226
180	1101	-.053	.105	.365	-.521
180	1102	.013	.101	.404	-.360
180	1103	-.128	.090	.160	-.446
180	1104	.059	.101	.431	-.275
180	1105	.011	.114	.409	-.416
180	1106	.099	.105	.514	-.251
180	1107	-.095	.095	.214	-.539
180	1108	-.109	.130	.296	-.712
180	1109	-.045	.110	.443	-.516
180	1201	.029	.084	.325	-.249
180	1202	.006	.086	.327	-.297
180	1203	-.083	.087	.255	-.403
180	1204	.115	.086	.420	-.228
180	1205	.130	.083	.439	-.196
180	1206	.125	.092	.532	-.174
180	1207	.091	.097	.469	-.262
180	1208	.074	.084	.433	-.207
180	1209	.026	.082	.304	-.290
190	101	-.259	.116	.136	-.647
190	102	-.247	.112	.185	-.622
190	103	-.325	.127	.068	-.979
190	104	-.240	.111	.196	-.652
190	105	-.245	.111	.153	-.712
190	106	-.220	.115	.187	-.721
190	107	-.253	.107	.103	-.698
190	108	-.282	.123	.077	-.890
190	109	-.301	.133	.113	-.851
190	110	-.242	.110	.131	-.660
190	111	-.235	.109	.123	-.630
190	112	-.239	.104	.080	-.631
190	113	-.246	.102	.075	-.651
190	114	-.269	.103	.057	-.703
190	115	-.291	.105	.018	-.787
190	116	-.298	.108	.048	-.774
190	117	-.231	.093	.075	-.561
190	118	-.239	.093	.053	-.581
190	119	-.230	.092	.069	-.535
190	120	-.240	.098	.103	-.563
190	121	-.246	.098	.077	-.578
190	122	-.256	.099	.071	-.587

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	123	-.260	.097	.058	-.608
190	124	-.294	.101	.019	-.687
190	125	-.318	.105	-.002	-.699
190	126	-.269	.099	.134	-.643
190	127	-.261	.097	.068	-.632
190	128	-.253	.095	.093	-.556
190	129	-.260	.097	.081	-.560
190	130	-.283	.097	.058	-.590
190	131	-.300	.097	.031	-.606
190	132	-.338	.103	.102	-.756
190	133	-.298	.096	.025	-.688
190	134	-.308	.097	.022	-.732
190	135	-.294	.095	.020	-.693
190	136	-.295	.108	.118	-.683
190	137	-.301	.110	.076	-.673
190	138	-.310	.110	.088	-.682
190	139	-.314	.110	.068	-.691
190	140	-.333	.107	.022	-.686
190	141	-.318	.106	.008	-.725
190	142	-.419	.111	-.047	-.881
190	143	-.311	.104	.027	-.732
190	144	-.325	.104	.001	-.756
190	145	-.329	.107	.051	-.754
190	146	-.350	.109	-.011	-.758
190	147	-.352	.107	.018	-.785
190	148	-.360	.111	-.025	-.959
190	149	-.309	.106	.008	-.807
190	150	-.322	.106	-.019	-.873
190	151	-.309	.106	.073	-.830
190	152	-.325	.102	.015	-.715
190	153	-.331	.107	.072	-.692
190	154	-.346	.107	.026	-.714
190	155	-.339	.104	.034	-.693
190	156	-.342	.101	-.028	-.728
190	157	-.339	.101	-.017	-.678
190	201	-.372	.149	.113	-.998
190	202	-.349	.137	.079	-.970
190	203	-.340	.136	.151	-.773
190	204	-.307	.133	.335	-.830
190	205	-.315	.130	.135	-.851
190	206	-.287	.116	.142	-.673
190	207	-.292	.107	.064	-.764
190	208	-.266	.106	.092	-.736
190	209	-.357	.122	-.019	-.868
190	210	-.337	.121	.000	-.903
190	211	-.327	.119	.178	-.716
190	212	-.285	.112	.171	-.613
190	213	-.299	.111	.117	-.640
190	214	-.270	.107	.118	-.624
190	215	-.266	.105	.141	-.672
190	216	-.242	.104	.164	-.649
190	217	-.385	.127	.045	-.953
190	218	-.362	.126	.044	-.956
190	219	-.325	.106	.012	-.666
190	220	-.279	.100	.055	-.718
190	221	-.296	.099	.052	-.655
190	222	-.268	.101	.086	-.656
190	223	-.271	.095	.075	-.551
190	224	-.246	.094	.095	-.519
190	225	-.391	.108	-.033	-.804
190	226	-.367	.106	-.015	-.767
190	227	-.332	.095	-.036	-.794
190	228	-.290	.091	-.028	-.709
190	229	-.311	.094	-.020	-.723
190	230	-.281	.093	-.013	-.686
190	231	-.290	.097	-.003	-.619
190	232	-.265	.096	.018	-.586
190	233	-.418	.110	-.068	-.772
190	234	-.372	.108	-.044	-1.015
190	235	-.365	.101	-.062	-.775
190	236	-.320	.097	-.040	-.714
190	237	-.344	.099	-.045	-.747
190	238	-.312	.099	.019	-.670
190	239	-.317	.098	.033	-.639
190	240	-.291	.098	.053	-.613
190	241	-.394	.105	.002	-.758
190	242	-.369	.104	.023	-.754
190	243	-.356	.101	.048	-.809
190	244	-.319	.099	.091	-.696
190	245	-.347	.100	.073	-.729
190	246	-.314	.098	.103	-.724
190	247	-.333	.099	-.031	-.736
190	248	-.307	.097	-.007	-.702
190	249	-.371	.105	-.054	-.921
190	250	-.321	.103	-.025	-.724
190	251	-.306	.098	.047	-.611
190	252	-.304	.095	.021	-.719
190	253	-.345	.097	-.026	-.809
190	254	-.317	.096	.029	-.654
190	255	-.317	.102	.001	-.656
190	256	-.266	.104	.184	-.621
190	257	-.342	.106	-.015	-.707
190	258	-.301	.103	.017	-.644
190	259	-.291	.106	.081	-.765
190	260	-.293	.105	.062	-.745
190	261	-.320	.106	.028	-.851
190	262	-.282	.110	.077	-.753
190	263	-.304	.115	.054	-1.183
190	264	-.281	.116	.074	-.964
190	265	-.327	.118	.032	-.994
190	301	-.115	.113	.269	-.579
190	302	-.012	.134	.422	-.581
190	303	.003	.167	.469	-.650
190	304	-.055	.099	.271	-.401
190	305	.157	.129	.531	-.569
190	306	.065	.199	.681	-.970
190	307	-.070	.102	.280	-.413
190	308	-.126	.157	.625	-.716
190	309	-.033	.225	.670	-.872
190	310	-.119	.106	.251	-.489
190	311	.077	.157	.606	-.801
190	312	-.058	.230	.627	-.980
190	313	-.151	.109	.245	-.740
190	314	.020	.152	.589	-1.026
190	315	-.092	.232	.809	-.873
190	316	-.153	.108	.214	-.534
190	317	-.034	.128	.457	-.794
190	318	-.121	.189	.515	-.861
190	319	.130	.138	.664	-.504
190	320	.059	.102	.469	-.330
190	321	-.010	.134	.484	-.704
190	322	.037	.103	.428	-.318
190	323	.151	.112	.637	-.276
190	324	-.118	.094	.212	-.432
190	325	-.111	.110	.330	-.547
190	326	-.124	.122	.360	-.584
190	401	.288	.178	.882	-.317
190	402	.296	.180	.899	-.281
190	403	.298	.168	.816	-.302
190	404	.286	.176	.817	-.190
190	405	.270	.168	.863	-.263
190	406	.185	.172	.731	-.363
190	407	.077	.152	.578	-.495
190	408	.388	.183	.988	-.498
190	409	.501	.180	1.221	-.229
190	410	.519	.187	1.330	-.105
190	411	.550	.179	1.358	-.040
190	412	.525	.171	1.110	.033
190	413	.524	.169	1.122	.043
190	414	.433	.173	.992	-.076
190	415	.295	.172	.846	-.232
190	416	.064	.174	.624	-.506
190	417	.378	.172	1.000	-.122
190	418	.408	.181	1.060	-.131
190	419	.497	.171	1.042	-.004
190	420	.464	.180	1.221	-.042
190	421	.416	.172	1.248	-.069
190	422	.195	.177	.933	-.281
190	423	.071	.177	.664	-.418
190	424	.285	.170	.766	-.429

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	425	.355	.166	.879	-.295
190	426	.350	.165	.904	-.200
190	427	.385	.157	.970	-.094
190	428	.360	.156	.996	-.111
190	429	.366	.149	.997	-.089
190	430	.265	.148	.906	-.198
190	431	.173	.133	.747	-.322
190	432	.022	.148	.592	-.433
190	433	.211	.193	.927	-.343
190	434	.201	.192	.871	-.340
190	435	.284	.165	.852	-.254
190	436	.295	.151	.866	-.151
190	437	.275	.143	.825	-.144
190	438	.097	.151	.684	-.418
190	439	.044	.152	.613	-.469
190	440	.054	.138	.522	-.402
190	441	.111	.130	.564	-.313
190	442	.074	.125	.524	-.272
190	443	.132	.117	.573	-.189
190	444	.134	.112	.512	-.314
190	445	.161	.110	.543	-.258
190	446	.077	.113	.475	-.325
190	447	.099	.113	.453	-.324
190	448	.035	.103	.377	-.317
190	449	-.031	.092	.300	-.342
190	450	.066	.099	.466	-.255
190	451	.142	.095	.598	-.175
190	452	.141	.108	.541	-.238
190	453	.128	.102	.508	-.213
190	454	.006	.120	.539	-.388
190	455	.092	.122	.629	-.378
190	456	.766	.079	1.027	.462
190	457	.244	.118	.726	-.229
190	458	.105	.116	.535	-.359
190	459	.231	.121	.703	-.236
190	460	.205	.109	.691	-.108
190	461	.158	.098	.491	-.157
190	501	-.431	.196	.135	-1.524
190	502	-.278	.202	.282	-.980
190	503	-.087	.112	.333	-.307
190	504	-.080	.109	.293	-.440
190	505	-.083	.101	.277	-.419
190	506	-.089	.100	.301	-.475
190	507	-.133	.106	.276	-.492
190	508	-.165	.104	.213	-.501
190	509	-.190	.193	.436	-.908
190	510	-.179	.206	.461	-.903
190	511	.106	.144	.549	-.949
190	512	.096	.115	.504	-.307
190	513	.053	.106	.401	-.309

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	514	-.007	.102	.357	-.344
190	515	-.116	.094	.257	-.448
190	516	-.162	.096	.207	-.497
190	517	-.205	.190	.549	-.904
190	518	-.197	.202	.722	-.940
190	519	.079	.154	.528	-.957
190	520	.087	.104	.522	-.406
190	521	.034	.097	.445	-.310
190	522	-.035	.091	.352	-.348
190	523	-.127	.091	.227	-.519
190	524	-.170	.092	.203	-.548
190	525	-.206	.202	.621	-1.246
190	526	-.197	.212	.614	-1.097
190	527	.055	.141	.487	-.741
190	528	.062	.100	.394	-.294
190	529	.013	.095	.314	-.336
190	530	-.049	.089	.232	-.371
190	531	-.138	.089	.155	-.445
190	532	-.178	.092	.122	-.478
190	533	-.156	.171	.373	-.782
190	534	-.142	.183	.468	-.899
190	535	.027	.142	.378	-.730
190	536	.032	.100	.362	-.420
190	537	-.015	.094	.352	-.317
190	538	-.073	.092	.291	-.377
190	539	-.155	.088	.196	-.441
190	540	-.198	.092	.202	-.505
190	541	-.068	.139	.292	-.688
190	542	-.047	.148	.339	-.869
190	543	.033	.097	.403	-.361
190	544	-.002	.086	.327	-.391
190	545	-.065	.079	.224	-.333
190	546	-.111	.082	.212	-.406
190	547	-.190	.101	.192	-.591
190	548	-.235	.105	.119	-.658
190	549	.017	.119	.432	-.771
190	550	.102	.118	.573	-.440
190	551	.021	.095	.400	-.291
190	552	-.111	.086	.174	-.394
190	553	.042	.103	.424	-.321
190	554	.056	.101	.401	-.276
190	555	-.181	.105	.103	-.722
190	556	-.122	.086	.167	-.397
190	557	-.138	.088	.162	-.416
190	558	-.097	.090	.247	-.384
190	559	-.141	.090	.195	-.491
190	560	-.175	.090	.164	-.520
190	601	-.233	.109	.091	-.634
190	602	-.245	.115	.105	-.650
190	603	-.226	.118	.115	-.716

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	604	-.255	.109	.090	-.589
190	605	-.310	.102	.005	-.600
190	606	-.246	.106	.130	-.630
190	607	-.213	.096	.116	-.518
190	608	-.266	.097	.074	-.595
190	609	-.245	.097	.093	-.561
190	610	-.252	.101	.098	-.567
190	611	-.233	.100	.115	-.571
190	612	-.288	.101	.048	-.653
190	613	-.274	.103	.037	-.640
190	614	-.285	.098	.021	-.613
190	615	-.276	.101	.043	-.619
190	616	-.366	.113	-.007	-.764
190	617	-.322	.108	.021	-.714
190	618	-.316	.105	.012	-.663
190	619	-.167	.093	.101	-.554
190	620	-.200	.095	.097	-.591
190	621	-.177	.092	.088	-.568
190	622	-.180	.093	.195	-.524
190	623	-.134	.089	.226	-.420
190	624	-.332	.107	.031	-.640
190	625	-.281	.102	.053	-.560
190	626	-.300	.114	.147	-.688
190	801	.038	.103	.419	-.458
190	802	-.407	.175	.081	-1.244
190	803	-.123	.092	.209	-.443
190	804	-.160	.094	.165	-.494
190	805	-.110	.091	.202	-.439
190	901	-.450	.152	-.048	-1.087
190	902	-.433	.140	-.052	-.966
190	903	-.523	.186	-.032	-1.483
190	904	-.434	.136	-.028	-1.000
190	905	-.444	.151	.134	-1.019
190	906	-.431	.160	.108	-1.052
190	907	-.410	.151	.130	-1.031
190	908	-.390	.150	.088	-1.031
190	909	-.351	.133	.111	-1.058
190	910	-.345	.133	.175	-.824
190	911	-.247	.169	.466	-.872
190	912	-.304	.149	.189	-1.122
190	913	-.258	.149	.285	-1.062
190	914	-.256	.130	.199	-1.002
190	915	-.267	.136	.693	-.831
190	916	-.025	.106	.344	-.411
190	917	.179	.144	.780	-.251
190	918	.018	.104	.369	-.353
190	919	-.092	.080	.153	-.361
190	920	-.064	.094	.310	-.430
190	1001	-.165	.102	.163	-.687
190	1002	-.097	.093	.257	-.418

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	1003	-.100	.090	.209	-.401
190	1004	-.037	.086	.246	-.325
190	1005	-.087	.097	.222	-.509
190	1006	.042	.101	.394	-.401
190	1007	.066	.094	.400	-.238
190	1008	.083	.088	.381	-.211
190	1009	-.156	.095	.176	-.492
190	1010	-.079	.087	.189	-.395
190	1011	-.098	.090	.207	-.402
190	1012	-.060	.091	.281	-.407
190	1013	-.112	.107	.212	-.486
190	1014	.102	.106	.633	-.256
190	1015	.088	.087	.351	-.238
190	1016	.084	.086	.391	-.278
190	1017	-.174	.088	.114	-.497
190	1018	-.099	.081	.154	-.388
190	1019	-.090	.084	.200	-.366
190	1020	.078	.084	.353	-.248
190	1021	.010	.088	.295	-.263
190	1022	-.088	.082	.156	-.383
190	1023	-.102	.089	.210	-.410
190	1024	.092	.086	.384	-.176
190	1101	-.117	.098	.300	-.502
190	1102	-.043	.097	.428	-.378
190	1103	-.165	.094	.132	-.473
190	1104	.055	.113	.465	-.410
190	1105	-.005	.128	.544	-.557
190	1106	-.169	.120	.682	-.263
190	1107	-.053	.098	.224	-.471
190	1108	-.124	.131	.275	-.616
190	1109	.012	.120	.439	-.398
190	1201	-.007	.081	.341	-.329
190	1202	-.028	.083	.327	-.369
190	1203	-.108	.085	.266	-.446
190	1204	.098	.087	.365	-.189
190	1205	.119	.085	.390	-.146
190	1206	.134	.092	.511	-.149
190	1207	.118	.099	.439	-.239
190	1208	.101	.088	.433	-.184
190	1209	.059	.087	.383	-.231
200	101	-.220	.110	.154	-.648
200	102	-.226	.115	.157	-.679
200	103	-.313	.122	.072	-.903
200	104	-.218	.114	.134	-.736
200	105	-.244	.116	.098	-.785
200	106	-.217	.111	.110	-.871
200	107	-.251	.122	.145	-.702
200	108	-.280	.129	.184	-.839
200	109	-.289	.137	.184	-.837
200	110	-.236	.106	.104	-.653

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	111	-.222	.104	.132	-.623
200	112	-.230	.100	.063	-.530
200	113	-.238	.101	.055	-.565
200	114	-.275	.105	.054	-.603
200	115	-.291	.109	.049	-.661
200	116	-.291	.119	.047	-.986
200	117	-.211	.098	.104	-.714
200	118	-.231	.098	.085	-.752
200	119	-.214	.096	.095	-.716
200	120	-.227	.100	.151	-.557
200	121	-.236	.100	.126	-.592
200	122	-.260	.103	.124	-.650
200	123	-.260	.104	.113	-.671
200	124	-.294	.097	.028	-.634
200	125	-.314	.102	.029	-.667
200	126	-.242	.092	.131	-.533
200	127	-.228	.090	.159	-.517
200	128	-.243	.095	.066	-.561
200	129	-.252	.096	.099	-.587
200	130	-.294	.099	.073	-.641
200	131	-.310	.104	.084	-.650
200	132	-.341	.102	.005	-.697
200	133	-.259	.094	.055	-.579
200	134	-.282	.096	.043	-.612
200	135	-.262	.095	.053	-.589
200	136	-.266	.099	.033	-.589
200	137	-.273	.099	.052	-.634
200	138	-.299	.101	.031	-.633
200	139	-.299	.100	.033	-.634
200	140	-.327	.100	.031	-.652
200	141	-.316	.098	.034	-.642
200	142	-.393	.099	-.038	-.760
200	143	-.281	.092	.060	-.593
200	144	-.303	.099	.072	-.788
200	145	-.313	.101	.027	-.730
200	146	-.355	.100	-.007	-.730
200	147	-.355	.101	-.028	-.709
200	148	-.347	.102	-.027	-.707
200	149	-.272	.098	.044	-.633
200	150	-.299	.099	.043	-.680
200	151	-.275	.099	.055	-.623
200	152	-.274	.104	.059	-.747
200	153	-.283	.111	.154	-.744
200	154	-.312	.112	.081	-.783
200	155	-.303	.108	.084	-.758
200	156	-.319	.101	.018	-.751
200	157	-.312	.100	.037	-.752
200	201	-.348	.167	.151	-1.227
200	202	-.324	.153	.139	-1.149
200	203	-.356	.177	.317	-1.307

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	204	-.329	.176	.308	-1.458
200	205	-.367	.159	.186	-1.318
200	206	-.319	.120	.087	-.899
200	207	-.317	.114	.053	-.685
200	208	-.283	.112	.076	-.656
200	209	-.410	.156	.066	-1.150
200	210	-.369	.152	.076	-1.131
200	211	-.335	.120	.091	-.869
200	212	-.288	.113	.074	-.902
200	213	-.330	.107	.003	-.757
200	214	-.278	.101	.012	-.604
200	215	-.273	.100	.042	-.822
200	216	-.242	.098	.076	-.808
200	217	-.403	.122	-.060	-1.012
200	218	-.361	.118	-.034	-.989
200	219	-.332	.108	.015	-.732
200	220	-.270	.101	.052	-.624
200	221	-.316	.102	.000	-.651
200	222	-.263	.101	.067	-.604
200	223	-.263	.107	.097	-.696
200	224	-.233	.105	.125	-.656
200	225	-.436	.138	-.014	-1.072
200	226	-.391	.135	.021	-1.035
200	227	-.347	.110	.011	-.760
200	228	-.286	.101	.064	-.635
200	229	-.334	.103	.016	-.676
200	230	-.279	.099	.060	-.618
200	231	-.286	.097	-.012	-.666
200	232	-.254	.095	.012	-.620
200	233	-.458	.125	-.127	-.913
200	234	-.373	.111	.005	-.915
200	235	-.372	.110	-.041	-.871
200	236	-.315	.101	-.032	-.709
200	237	-.368	.106	-.058	-.866
200	238	-.311	.101	-.001	-.709
200	239	-.316	.104	.099	-.738
200	240	-.283	.102	.131	-.689
200	241	-.437	.120	-.063	-.860
200	242	-.389	.117	-.011	-.849
200	243	-.382	.126	.016	-1.116
200	244	-.343	.124	.057	-1.046
200	245	-.397	.122	.017	-.982
200	246	-.339	.116	.034	-.805
200	247	-.342	.107	-.023	-.806
200	248	-.308	.105	.003	-.714
200	249	-.410	.131	-.038	-1.118
200	250	-.339	.125	.036	-1.097
200	251	-.321	.121	.053	-.745
200	252	-.298	.110	.081	-.743
200	253	-.368	.114	.024	-.892

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	254	-.321	.110	.048	-.685
200	255	-.326	.111	-.015	-.715
200	256	-.266	.114	-.195	-.707
200	257	-.383	.119	-.051	-.911
200	258	-.318	.112	.008	-.759
200	259	-.283	.121	.133	-.876
200	260	-.288	.120	.101	-.896
200	261	-.337	.124	.103	-.850
200	262	-.278	.126	.133	-.750
200	263	-.299	.118	.100	-.936
200	264	-.272	.121	.122	-1.117
200	265	-.345	.126	.075	-1.167
200	301	-.061	.126	.346	-.593
200	302	.079	.155	.560	-.621
200	303	.147	.176	.679	-.745
200	304	.025	.119	.458	-.403
200	305	.288	.150	.850	-.160
200	306	.316	.213	1.003	-.607
200	307	.008	.117	.402	-.364
200	308	.262	.153	.747	-.248
200	309	.228	.226	.916	-.546
200	310	-.043	.117	.359	-.432
200	311	.202	.141	.774	-.391
200	312	.182	.202	.899	-.705
200	313	-.084	.114	.358	-.433
200	314	.137	.142	.695	-.347
200	315	.103	.212	.794	-.611
200	316	-.125	.109	.272	-.477
200	317	.017	.121	.567	-.492
200	318	-.020	.163	.544	-.618
200	319	.173	.140	.741	-.324
200	320	.013	.096	.380	-.354
200	321	-.048	.141	.447	-.653
200	322	-.004	.101	.415	-.369
200	323	.190	.119	.638	-.205
200	324	-.092	.097	.257	-.440
200	325	-.050	.110	.367	-.483
200	326	-.041	.123	.388	-.526
200	401	.351	.186	.945	-.157
200	402	.254	.184	.801	-.287
200	403	.253	.162	.732	-.235
200	404	.221	.145	.724	-.255
200	405	.198	.137	.630	-.230
200	406	.026	.151	.534	-.419
200	407	-.093	.136	.471	-.575
200	408	.509	.190	1.191	-.048
200	409	.552	.181	1.244	.034
200	410	.507	.195	1.250	-.063
200	411	.521	.177	1.207	-.038
200	412	.440	.170	1.030	-.108
200	413	.436	.166	1.038	-.092
200	414	.292	.173	.939	-.249
200	415	.126	.149	.682	-.312
200	416	-.136	.148	.364	-.573
200	417	.493	.162	.982	-.035
200	418	.472	.174	.964	-.078
200	419	.521	.156	.993	.003
200	420	.461	.156	1.040	.013
200	421	.370	.144	.911	-.050
200	422	.019	.152	.639	-.462
200	423	-.127	.148	.399	-.629
200	424	.400	.177	1.087	-.124
200	425	.452	.170	1.068	-.029
200	426	.405	.179	1.025	-.071
200	427	.443	.163	.965	.031
200	428	.376	.154	.931	-.070
200	429	.375	.149	.924	-.037
200	430	.211	.160	.786	-.224
200	431	.056	.147	.673	-.391
200	432	-.111	.133	.425	-.586
200	433	.304	.158	.808	-.254
200	434	.258	.169	.814	-.220
200	435	.338	.150	.891	-.057
200	436	.301	.145	.883	-.091
200	437	.249	.130	.714	-.105
200	438	-.035	.142	.575	-.495
200	439	-.094	.143	.507	-.573
200	440	.121	.122	.634	-.294
200	441	.171	.116	.602	-.222
200	442	.090	.122	.504	-.305
200	443	.166	.112	.560	-.215
200	444	.156	.109	.611	-.205
200	445	.181	.105	.608	-.194
200	446	.054	.113	.500	-.351
200	447	.057	.108	.452	-.449
200	448	-.040	.108	.315	-.438
200	449	.019	.094	.410	-.326
200	450	.054	.101	.415	-.301
200	451	.149	.095	.495	-.178
200	452	.146	.099	.505	-.182
200	453	.103	.093	.428	-.244
200	454	.025	.118	.526	-.297
200	455	.139	.115	.667	-.229
200	456	.749	.079	.994	.462
200	457	.243	.121	.764	-.148
200	458	.075	.122	.543	-.285
200	459	.221	.123	.673	-.125
200	460	.207	.105	.601	-.119
200	461	.141	.093	.505	-.144
200	501	-.689	.195	-.098	-1.616
200	502	-.510	.180	.157	-1.177
200	503	-.202	.120	.138	-.664
200	504	-.145	.107	.205	-.565
200	505	-.129	.099	.198	-.509
200	506	-.114	.101	.199	-.465
200	507	-.145	.103	.164	-.569
200	508	-.170	.104	.149	-.578
200	509	-.465	.190	.303	-1.272
200	510	-.465	.199	.309	-1.354
200	511	-.082	.189	.459	-.866
200	512	.006	.104	.447	-.468
200	513	-.020	.094	.337	-.394
200	514	-.060	.092	.253	-.376
200	515	-.137	.092	.179	-.445
200	516	-.168	.097	.189	-.521
200	517	-.446	.170	.131	-1.037
200	518	-.447	.174	.222	-1.027
200	519	-.149	.202	.362	-.956
200	520	-.013	.109	.338	-.797
200	521	-.041	.093	.298	-.384
200	522	-.081	.091	.275	-.406
200	523	-.133	.087	.208	-.401
200	524	-.156	.088	.184	-.442
200	525	-.403	.170	.116	-1.576
200	526	-.399	.175	.181	-1.559
200	527	-.191	.214	.369	-1.232
200	528	-.040	.110	.341	-.645
200	529	-.065	.093	.241	-.431
200	530	-.105	.086	.203	-.400
200	531	-.161	.090	.157	-.453
200	532	-.187	.096	.153	-.496
200	533	-.433	.184	.122	-1.218
200	534	-.429	.192	.145	-1.248
200	535	-.120	.184	.364	-1.158
200	536	-.044	.107	.320	-.615
200	537	-.078	.094	.302	-.415
200	538	-.115	.093	.226	-.451
200	539	-.181	.089	.141	-.491
200	540	-.206	.095	.137	-.555
200	541	-.311	.173	.163	-.968
200	542	-.295	.184	.223	-1.076
200	543	-.044	.106	.296	-.550
200	544	-.073	.091	.218	-.411
200	545	-.126	.085	.155	-.431
200	546	-.153	.087	.140	-.429
200	547	-.207	.095	.107	-.577
200	548	-.237	.102	.094	-.646
200	549	-.060	.119	.269	-.560
200	550	.054	.108	.423	-.365
200	551	-.040	.089	.266	-.385

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	352	-.151	.086	.178	-.496
200	353	.023	.107	.405	-.395
200	354	.038	.109	.516	-.368
200	355	-.235	.116	.130	-.851
200	356	-.169	.088	.117	-.529
200	357	-.190	.090	.085	-.577
200	358	-.152	.088	.141	-.496
200	359	-.176	.087	.199	-.491
200	360	-.201	.089	.177	-.515
200	601	-.210	.109	.149	-.558
200	602	-.228	.109	.162	-.639
200	603	-.203	.110	.179	-.597
200	604	-.266	.106	.104	-.596
200	605	-.304	.111	.030	-.822
200	606	-.232	.102	.157	-.589
200	607	-.188	.095	.161	-.523
200	608	-.263	.099	.101	-.611
200	609	-.223	.096	.131	-.560
200	610	-.217	.096	.133	-.541
200	611	-.192	.093	.155	-.506
200	612	-.273	.097	.141	-.605
200	613	-.238	.098	.144	-.598
200	614	-.242	.089	.045	-.512
200	615	-.222	.092	.077	-.532
200	616	-.361	.105	-.017	-.761
200	617	-.274	.098	.050	-.633
200	618	-.288	.100	.026	-.651
200	619	-.189	.092	.090	-.532
200	620	-.272	.097	.038	-.625
200	621	-.203	.090	.089	-.531
200	622	-.224	.096	.076	-.608
200	623	-.165	.090	.133	-.532
200	624	-.363	.116	.085	-.844
200	625	-.269	.108	.080	-.719
200	626	-.287	.101	.018	-.701
200	801	.024	.102	.473	-.514
200	802	-.452	.161	-.030	-1.161
200	803	-.144	.087	.103	-.501
200	804	-.208	.086	.097	-.536
200	805	-.152	.083	.128	-.470
200	901	-.453	.148	-.044	-1.204
200	902	-.468	.145	-.064	-1.003
200	903	-.566	.173	-.128	-1.291
200	904	-.452	.140	-.049	-1.064
200	905	-.458	.151	-.058	-1.012
200	906	-.439	.179	.226	-1.183
200	907	-.411	.161	.151	-.933
200	908	-.391	.142	.029	-1.006
200	909	-.328	.129	.175	-.801
200	910	-.323	.139	.109	-.814
200	911	-.231	.164	.417	-.860
200	912	-.258	.141	.127	-.874
200	913	-.185	.164	.454	-.759
200	914	-.232	.130	.230	-.826
200	915	-.260	.145	.261	-.956
200	916	-.102	.106	.315	-.473
200	917	.118	.144	.705	-.355
200	918	-.059	.098	.291	-.391
200	919	-.146	.079	.128	-.417
200	920	-.125	.088	.144	-.516
200	1001	-.220	.092	.073	-.569
200	1002	-.150	.087	.117	-.480
200	1003	-.171	.093	.136	-.459
200	1004	-.101	.087	.192	-.357
200	1005	-.165	.096	.144	-.482
200	1006	-.030	.103	.381	-.402
200	1007	.052	.087	.379	-.323
200	1008	.059	.081	.335	-.249
200	1009	-.206	.089	.079	-.485
200	1010	-.119	.081	.146	-.367
200	1011	-.137	.090	.175	-.455
200	1012	-.100	.090	.194	-.505
200	1013	-.194	.107	.143	-.640
200	1014	.104	.105	.559	-.260
200	1015	.085	.090	.379	-.288
200	1016	.065	.085	.324	-.241
200	1017	-.225	.092	.079	-.594
200	1018	-.145	.086	.128	-.433
200	1019	-.138	.083	.111	-.441
200	1020	.076	.082	.344	-.242
200	1021	-.025	.086	.246	-.351
200	1022	-.123	.081	.138	-.389
200	1023	-.140	.086	.163	-.475
200	1024	.074	.083	.357	-.226
200	1101	-.193	.114	.176	-.657
200	1102	-.088	.097	.328	-.400
200	1103	-.204	.093	.164	-.520
200	1104	.003	.120	.433	-.576
200	1105	-.045	.143	.508	-.588
200	1106	.234	.130	.825	-.148
200	1107	-.047	.100	.397	-.376
200	1108	-.132	.143	.394	-.695
200	1109	-.023	.114	.452	-.330
200	1201	-.048	.085	.243	-.332
200	1202	-.070	.088	.225	-.362
200	1203	-.143	.090	.164	-.448
200	1204	.112	.099	.497	-.207
200	1205	.139	.099	.540	-.173
200	1206	.155	.100	.495	-.179
200	1207	.132	.093	.441	-.183
200	1208	.120	.087	.401	-.165
200	1209	.072	.082	.327	-.207
210	101	-.224	.121	.180	-.674
210	102	-.224	.131	.178	-1.137
210	103	-.299	.122	.151	-1.247
210	104	-.217	.127	.260	-1.142
210	105	-.272	.136	.193	-1.097
210	106	-.206	.121	.358	-.730
210	107	-.264	.141	.229	-.873
210	108	-.285	.146	.126	-1.063
210	109	-.286	.153	.213	-1.073
210	110	-.266	.111	.076	-.698
210	111	-.238	.108	.096	-.658
210	112	-.236	.117	.134	-.651
210	113	-.235	.117	.175	-.637
210	114	-.289	.125	.141	-.747
210	115	-.282	.132	.152	-.765
210	116	-.298	.128	.161	-.871
210	117	-.210	.094	.071	-.536
210	118	-.253	.096	.036	-.576
210	119	-.221	.095	.074	-.547
210	120	-.245	.108	.067	-.770
210	121	-.253	.111	.091	-.849
210	122	-.300	.117	.081	-.841
210	123	-.284	.118	.103	-.823
210	124	-.298	.111	.106	-.689
210	125	-.316	.121	.102	-.796
210	126	-.248	.097	.041	-.678
210	127	-.219	.093	.054	-.605
210	128	-.232	.101	.114	-.543
210	129	-.244	.103	.108	-.570
210	130	-.317	.111	.027	-.657
210	131	-.325	.120	.067	-.744
210	132	-.360	.130	.056	-.870
210	133	-.216	.097	.155	-.601
210	134	-.264	.098	.119	-.681
210	135	-.228	.096	.127	-.636
210	136	-.241	.101	.073	-.615
210	137	-.256	.102	.099	-.635
210	138	-.306	.105	.098	-.687
210	139	-.296	.106	.137	-.702
210	140	-.310	.109	.030	-.718
210	141	-.294	.113	.042	-.869
210	142	-.329	.111	.015	-.817
210	143	-.212	.103	.083	-.718
210	144	-.253	.110	.097	-.726
210	145	-.270	.116	.104	-.700
210	146	-.336	.120	.088	-.744
210	147	-.321	.120	.072	-.751
210	148	-.344	.121	.165	-.785

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	149	-.226	.108	.214	-.635
210	150	-.275	.112	.169	-.795
210	151	-.232	.107	.198	-.659
210	152	-.242	.110	.172	-.687
210	153	-.263	.121	.113	-.916
210	154	-.317	.123	.017	-.967
210	155	-.282	.115	.050	-.729
210	156	-.282	.120	.038	-.821
210	157	-.270	.119	.046	-.794
210	201	-.358	.194	.239	-1.362
210	202	-.320	.177	.252	-1.148
210	203	-.353	.200	.390	-1.445
210	204	-.352	.197	.165	-1.831
210	205	-.445	.172	.051	-1.315
210	206	-.368	.129	.054	-.880
210	207	-.362	.139	.009	-1.112
210	208	-.320	.135	.044	-1.050
210	209	-.396	.163	.133	-1.055
210	210	-.336	.153	.084	-.893
210	211	-.329	.148	.335	-.984
210	212	-.323	.157	.166	-.961
210	213	-.424	.165	.109	-1.089
210	214	-.331	.138	.044	-.906
210	215	-.309	.131	.099	-.863
210	216	-.269	.127	.129	-.822
210	217	-.443	.157	.012	-.973
210	218	-.378	.148	.054	-.900
210	219	-.352	.123	.124	-.889
210	220	-.293	.123	.123	-.802
210	221	-.375	.132	.047	-1.036
210	222	-.290	.117	.090	-.828
210	223	-.287	.119	.129	-.920
210	224	-.247	.116	.151	-.812
210	225	-.469	.166	.098	-1.213
210	226	-.393	.157	.145	-1.182
210	227	-.373	.133	.075	-.827
210	228	-.309	.130	.110	-.808
210	229	-.391	.139	.103	-1.081
210	230	-.307	.123	.126	-.843
210	231	-.292	.114	.092	-.865
210	232	-.252	.111	.119	-.802
210	233	-.477	.146	.065	-1.176
210	234	-.388	.148	.097	-.981
210	235	-.383	.146	.053	-1.266
210	236	-.341	.155	.081	-1.428
210	237	-.430	.162	.030	-1.518
210	238	-.348	.149	.079	-1.275
210	239	-.326	.121	.122	-.806
210	240	-.285	.118	.150	-.746
210	241	-.418	.140	.026	-1.264

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	242	-.349	.132	.078	-1.175
210	243	-.382	.138	.056	-1.196
210	244	-.364	.148	.022	-1.571
210	245	-.469	.161	.033	-1.275
210	246	-.389	.149	.049	-1.436
210	247	-.403	.142	.039	-1.482
210	248	-.360	.137	.073	-1.401
210	249	-.440	.145	.004	-1.304
210	250	-.392	.159	.059	-1.451
210	251	-.365	.147	.033	-1.354
210	252	-.258	.117	.123	-1.021
210	253	-.351	.122	.107	-1.205
210	254	-.283	.110	.068	-.703
210	255	-.289	.113	.059	-.795
210	256	-.230	.118	.203	-.807
210	257	-.375	.127	.014	-.843
210	258	-.296	.115	.082	-.692
210	259	-.277	.126	.358	-.738
210	260	-.291	.126	.096	-.808
210	261	-.369	.135	.034	-1.095
210	262	-.299	.151	.285	-1.153
210	263	-.362	.146	.070	-1.001
210	264	-.336	.155	.073	-1.311
210	265	-.443	.166	-.022	-1.358
210	301	.002	.141	.517	-.513
210	302	.143	.162	.735	-.423
210	303	.266	.171	.936	-.482
210	304	.118	.132	.599	-.376
210	305	.410	.166	.981	-.216
210	306	.499	.187	1.112	-.257
210	307	.108	.128	.554	-.260
210	308	.399	.156	.894	-.097
210	309	.454	.186	1.122	-.241
210	310	.047	.128	.528	-.358
210	311	.325	.161	.917	-.136
210	312	.384	.192	1.028	-.193
210	313	-.002	.130	.478	-.421
210	314	.251	.160	.844	-.295
210	315	.302	.197	.938	-.360
210	316	-.050	.134	.593	-.469
210	317	.138	.156	.820	-.363
210	318	.130	.165	.767	-.421
210	319	.156	.148	.706	-.321
210	320	-.020	.098	.352	-.351
210	321	-.053	.135	.384	-.561
210	322	-.038	.100	.317	-.389
210	323	.184	.120	.717	-.202
210	324	-.096	.100	.274	-.398
210	325	-.043	.111	.378	-.464
210	326	.007	.121	.432	-.450

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	401	.359	.164	.916	-.162
210	402	.173	.169	.754	-.275
210	403	.192	.144	.709	-.240
210	404	.124	.143	.586	-.374
210	405	.101	.133	.505	-.308
210	406	-.169	.148	.396	-.641
210	407	-.270	.133	.186	-.702
210	408	.509	.167	1.020	-.117
210	409	.510	.156	.974	-.017
210	410	.424	.176	.972	-.157
210	411	.436	.154	.954	-.099
210	412	.374	.155	.883	-.076
210	413	.367	.149	.844	-.069
210	414	.154	.155	.739	-.310
210	415	-.043	.128	.530	-.462
210	416	-.342	.135	.086	-.904
210	417	.526	.164	1.222	-.013
210	418	.436	.179	1.216	-.153
210	419	.448	.152	1.055	-.033
210	420	.339	.140	.871	-.117
210	421	.229	.126	.757	-.200
210	422	-.214	.137	.325	-.630
210	423	-.314	.131	.267	-.741
210	424	.449	.158	.982	-.086
210	425	.460	.145	.969	-.032
210	426	.363	.163	.927	-.189
210	427	.392	.139	.908	-.068
210	428	.310	.149	.896	-.119
210	429	.311	.139	.852	-.085
210	430	.088	.149	.677	-.351
210	431	-.070	.129	.490	-.534
210	432	-.288	.126	.103	-.740
210	433	.376	.152	.925	-.055
210	434	.258	.161	.872	-.186
210	435	.304	.137	.832	-.094
210	436	.238	.140	.755	-.172
210	437	.166	.126	.584	-.217
210	438	-.218	.144	.236	-.662
210	439	-.258	.138	.229	-.768
210	440	.137	.122	.672	-.236
210	441	.170	.109	.638	-.195
210	442	.042	.121	.569	-.361
210	443	.136	.105	.564	-.258
210	444	.107	.100	.437	-.276
210	445	.136	.096	.460	-.208
210	446	-.044	.109	.317	-.435
210	447	-.026	.110	.384	-.454
210	448	-.152	.126	.321	-.703
210	449	.051	.091	.412	-.266
210	450	-.004	.112	.412	-.332

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	451	.114	.101	.515	-.167
210	452	.092	.098	.430	-.330
210	453	.083	.091	.386	-.241
210	454	-.011	.120	.431	-.438
210	455	.137	.113	.580	-.256
210	456	.740	.079	1.040	.437
210	457	.224	.114	.619	-.171
210	458	.032	.120	.482	-.412
210	459	.197	.119	.616	-.200
210	460	.173	.117	.613	-.241
210	461	.117	.100	.439	-.236
210	501	-.934	.276	-.279	-2.483
210	502	-.656	.206	-.070	-1.400
210	503	-.340	.151	.135	-1.109
210	504	-.201	.118	.201	-.950
210	505	-.155	.101	.266	-.545
210	506	-.122	.100	.233	-.437
210	507	-.140	.110	.250	-.524
210	508	-.159	.112	.237	-.556
210	509	-.660	.173	.023	-1.483
210	510	-.657	.175	.074	-1.468
210	511	-.374	.236	.258	-1.295
210	512	-.109	.125	.237	-.827
210	513	-.089	.094	.244	-.432
210	514	-.102	.097	.240	-.452
210	515	-.155	.103	.202	-.586
210	516	-.176	.109	.206	-.632
210	517	-.544	.175	-.034	-1.283
210	518	-.542	.177	-.031	-1.275
210	519	-.434	.244	.240	-1.321
210	520	-.191	.206	.266	-1.135
210	521	-.120	.127	.278	-.816
210	522	-.122	.103	.173	-.593
210	523	-.162	.103	.217	-.649
210	524	-.177	.104	.201	-.665
210	525	-.569	.173	.001	-1.353
210	526	-.566	.175	.082	-1.480
210	527	-.439	.222	.208	-1.056
210	528	-.205	.185	.293	-1.142
210	529	-.136	.115	.250	-.795
210	530	-.129	.089	.161	-.484
210	531	-.151	.097	.204	-.468
210	532	-.162	.101	.212	-.493
210	533	-.507	.181	-.018	-1.538
210	534	-.498	.186	.082	-1.612
210	535	-.350	.219	.178	-1.147
210	536	-.154	.141	.223	-.917
210	537	-.130	.098	.186	-.655
210	538	-.132	.089	.190	-.495
210	539	-.159	.090	.131	-.485
210	540	-.170	.094	.131	-.482
210	541	-.424	.172	.062	-1.125
210	542	-.407	.187	.240	-1.182
210	543	-.134	.126	.215	-.783
210	544	-.116	.089	.197	-.466
210	545	-.148	.083	.193	-.455
210	546	-.147	.085	.146	-.441
210	547	-.167	.088	.109	-.538
210	548	-.178	.094	.104	-.566
210	549	-.223	.168	.291	-.937
210	550	-.051	.108	.358	-.437
210	551	-.092	.089	.184	-.439
210	552	-.161	.090	.155	-.494
210	553	-.004	.102	.356	-.430
210	554	.005	.104	.375	-.384
210	555	-.233	.105	.070	-.670
210	556	-.170	.092	.134	-.551
210	557	-.195	.094	.117	-.582
210	558	-.157	.090	.152	-.485
210	559	-.161	.094	.137	-.598
210	560	-.172	.097	.138	-.631
210	601	-.207	.116	.141	-.626
210	602	-.214	.115	.144	-.716
210	603	-.185	.113	.200	-.678
210	604	-.281	.117	.075	-.780
210	605	-.311	.121	.030	-.808
210	606	-.233	.121	.203	-.706
210	607	-.187	.103	.187	-.571
210	608	-.285	.111	.107	-.784
210	609	-.228	.107	.164	-.611
210	610	-.210	.103	.156	-.547
210	611	-.180	.100	.182	-.515
210	612	-.283	.108	.088	-.636
210	613	-.213	.100	.120	-.583
210	614	-.193	.087	.073	-.515
210	615	-.172	.089	.119	-.496
210	616	-.332	.106	.012	-.701
210	617	-.215	.096	.090	-.547
210	618	-.232	.104	.073	-.765
210	619	-.190	.085	.089	-.452
210	620	-.324	.094	-.027	-.628
210	621	-.209	.085	.073	-.472
210	622	-.218	.098	.087	-.537
210	623	-.155	.093	.129	-.451
210	624	-.344	.128	.028	-.884
210	625	-.217	.116	.097	-.782
210	626	-.229	.108	.127	-.720
210	801	.022	.105	.445	-.434
210	802	-.522	.180	-.042	-1.223
210	803	-.167	.091	.109	-.550
210	804	-.234	.094	.117	-.570
210	805	-.170	.089	.157	-.477
210	901	-.483	.149	-.064	-1.164
210	902	-.503	.141	-.091	-1.024
210	903	-.608	.159	-.206	-1.207
210	904	-.495	.138	-.048	-.950
210	905	-.494	.155	-.006	-1.124
210	906	-.521	.187	.172	-1.180
210	907	-.424	.186	.138	-1.137
210	908	-.419	.146	.037	-1.096
210	909	-.311	.147	.294	-.835
210	910	-.308	.146	.235	-.831
210	911	-.245	.149	.471	-.751
210	912	-.203	.138	.217	-.755
210	913	-.122	.155	.650	-.646
210	914	-.176	.146	.444	-.742
210	915	-.213	.164	.355	-.758
210	916	-.195	.119	.165	-.655
210	917	-.010	.166	.661	-.872
210	918	-.126	.096	.183	-.480
210	919	-.209	.082	.065	-.488
210	920	-.177	.092	.069	-.567
210	1001	-.273	.098	.078	-.590
210	1002	-.199	.090	.124	-.501
210	1003	-.218	.091	.102	-.593
210	1004	-.142	.083	.138	-.495
210	1005	-.234	.092	.092	-.583
210	1006	-.101	.103	.249	-.481
210	1007	.022	.091	.301	-.276
210	1008	.028	.083	.301	-.227
210	1009	-.238	.092	.080	-.528
210	1010	-.138	.084	.153	-.415
210	1011	-.164	.086	.137	-.446
210	1012	-.140	.089	.149	-.474
210	1013	-.271	.106	.092	-.642
210	1014	.062	.109	.541	-.289
210	1015	.039	.091	.366	-.299
210	1016	.032	.082	.343	-.253
210	1017	-.247	.088	.029	-.561
210	1018	-.157	.080	.141	-.443
210	1019	-.163	.091	.131	-.493
210	1020	.040	.091	.375	-.280
210	1021	-.074	.096	.289	-.387
210	1022	-.135	.088	.157	-.456
210	1023	-.173	.086	.136	-.435
210	1024	.038	.084	.378	-.233
210	1101	-.220	.098	.085	-.569
210	1102	-.124	.098	.229	-.430
210	1103	-.213	.094	.127	-.497
210	1104	-.009	.110	.345	-.442

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	1105	-.067	.130	.442	-.514
210	1106	-.195	.122	.606	-.192
210	1107	-.028	.095	.291	-.388
210	1108	-.034	.126	.386	-.565
210	1109	-.040	.110	.346	-.432
210	1201	-.073	.081	.189	-.349
210	1202	-.092	.083	.171	-.367
210	1203	-.163	.085	.096	-.454
210	1204	.074	.099	.430	-.247
210	1205	.103	.098	.448	-.202
210	1206	.128	.092	.457	-.188
210	1207	.096	.092	.455	-.206
210	1208	.092	.083	.371	-.193
210	1209	.064	.083	.353	-.202
220	101	-.217	.120	.130	-.701
220	102	-.212	.121	.164	-.859
220	103	-.290	.134	.159	-1.232
220	104	-.197	.124	.205	-.786
220	105	-.259	.137	.221	-.846
220	106	-.194	.134	.252	-.937
220	107	-.229	.133	.257	-.745
220	108	-.240	.135	.176	-.857
220	109	-.237	.138	.182	-.979
220	110	-.253	.114	.126	-.631
220	111	-.213	.110	.158	-.589
220	112	-.210	.110	.109	-.678
220	113	-.200	.111	.128	-.671
220	114	-.265	.126	.099	-.854
220	115	-.242	.130	.142	-.818
220	116	-.252	.141	.191	-.838
220	117	-.176	.100	.172	-.495
220	118	-.234	.102	.134	-.569
220	119	-.191	.099	.162	-.541
220	120	-.200	.102	.152	-.612
220	121	-.202	.108	.178	-.581
220	122	-.263	.116	.163	-.663
220	123	-.234	.118	.197	-.621
220	124	-.250	.135	.168	-.815
220	125	-.270	.147	.199	-.818
220	126	-.229	.103	.049	-.663
220	127	-.189	.098	.082	-.592
220	128	-.198	.096	.114	-.564
220	129	-.202	.101	.088	-.584
220	130	-.283	.116	.045	-.734
220	131	-.276	.130	.121	-.743
220	132	-.276	.150	.193	-.872
220	133	-.158	.100	.176	-.475
220	134	-.220	.103	.132	-.527
220	135	-.177	.100	.163	-.480
220	136	-.197	.099	.196	-.564

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	137	-.199	.103	.176	-.610
220	138	-.262	.109	.132	-.678
220	139	-.234	.114	.145	-.671
220	140	-.258	.127	.133	-.742
220	141	-.238	.133	.177	-.772
220	142	-.269	.104	.045	-.741
220	143	-.153	.092	.111	-.524
220	144	-.198	.108	.131	-.723
220	145	-.196	.111	.163	-.649
220	146	-.261	.119	.127	-.718
220	147	-.227	.118	.145	-.678
220	148	-.232	.114	.101	-.908
220	149	-.139	.098	.137	-.475
220	150	-.201	.101	.117	-.662
220	151	-.152	.095	.122	-.531
220	152	-.174	.103	.213	-.603
220	153	-.190	.112	.202	-.650
220	154	-.256	.118	.140	-.715
220	155	-.204	.108	.148	-.619
220	156	-.187	.102	.089	-.625
220	157	-.176	.101	.092	-.583
220	201	-.298	.155	.198	-1.014
220	202	-.249	.153	.203	-1.010
220	203	-.261	.164	.291	-1.030
220	204	-.291	.179	.281	-1.006
220	205	-.532	.205	.218	-1.708
220	206	-.545	.180	.073	-1.224
220	207	-.543	.194	-.060	-1.413
220	208	-.488	.186	-.031	-1.248
220	209	-.333	.153	.150	-.900
220	210	-.255	.148	.246	-.796
220	211	-.290	.173	.390	-.941
220	212	-.337	.190	.321	-1.236
220	213	-.564	.215	.179	-1.399
220	214	-.494	.202	.147	-1.484
220	215	-.485	.175	.007	-1.095
220	216	-.433	.169	.044	-1.025
220	217	-.391	.195	.276	-1.441
220	218	-.309	.181	.247	-1.170
220	219	-.337	.171	.286	-.971
220	220	-.373	.181	.202	-1.098
220	221	-.563	.208	.198	-1.446
220	222	-.455	.181	.134	-1.412
220	223	-.416	.177	.058	-1.406
220	224	-.367	.171	.085	-1.222
220	225	-.420	.197	.163	-1.165
220	226	-.339	.182	.232	-1.009
220	227	-.344	.163	.237	-1.024
220	228	-.360	.177	.185	-1.174
220	229	-.535	.216	.114	-1.839

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	230	-.431	.189	.142	-1.574
220	231	-.415	.174	.067	-1.238
220	232	-.365	.168	.103	-1.105
220	233	-.407	.179	.137	-1.334
220	234	-.293	.147	.242	-.797
220	235	-.353	.166	.167	-1.150
220	236	-.367	.176	.180	-1.241
220	237	-.535	.207	.050	-1.485
220	238	-.438	.189	.108	-1.324
220	239	-.471	.182	.085	-1.275
220	240	-.418	.174	.112	-1.188
220	241	-.301	.139	.119	-1.013
220	242	-.228	.134	.133	-.816
220	243	-.271	.146	.294	-.891
220	244	-.300	.159	.174	-1.258
220	245	-.540	.188	.010	-1.327
220	246	-.533	.201	.004	-1.510
220	247	-.536	.216	-.048	-1.660
220	248	-.482	.206	-.006	-1.630
220	249	-.353	.149	.125	-1.367
220	250	-.365	.165	.119	-1.355
220	251	-.451	.177	.103	-1.429
220	252	-.149	.102	.170	-.580
220	253	-.250	.110	.094	-.730
220	254	-.187	.106	.179	-.555
220	255	-.212	.108	.133	-.589
220	256	-.171	.114	.317	-.551
220	257	-.308	.120	.101	-.732
220	258	-.240	.116	.136	-.646
220	259	-.269	.124	.342	-.796
220	260	-.269	.120	.127	-.818
220	261	-.399	.136	.179	-.978
220	262	-.376	.164	.268	-1.092
220	263	-.392	.163	.093	-1.189
220	264	-.393	.191	.122	-1.666
220	265	-.521	.209	.044	-1.841
220	301	.119	.147	.606	-.381
220	302	.212	.157	.771	-.368
220	303	.273	.163	.781	-.288
220	304	.149	.151	.718	-.374
220	305	.513	.170	1.124	.004
220	306	.500	.176	1.151	-.011
220	307	.124	.141	.582	-.331
220	308	.408	.160	1.022	.030
220	309	.499	.164	1.277	.067
220	310	.074	.134	.548	-.334
220	311	.372	.156	.945	-.115
220	312	.422	.159	.949	-.036
220	313	.087	.148	.611	-.372
220	314	.303	.157	.815	-.130

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	315	-.308	.163	.945	-.195
220	316	-.037	.143	.525	-.554
220	317	.197	.147	.778	-.339
220	318	.131	.131	.636	-.384
220	319	.081	.157	.654	-.431
220	320	.001	.099	.361	-.420
220	321	-.031	.131	.425	-.573
220	322	-.024	.094	.298	-.441
220	323	.178	.121	.592	-.251
220	324	-.116	.130	.598	-.559
220	325	-.049	.120	.484	-.420
220	326	.025	.107	.370	-.384
220	401	.231	.168	.778	-.281
220	402	.137	.145	.665	-.310
220	403	.090	.135	.634	-.290
220	404	.062	.121	.524	-.329
220	405	.003	.113	.455	-.415
220	406	-.151	.113	.306	-.671
220	407	-.343	.113	.008	-.910
220	408	.463	.179	1.111	-.627
220	409	.429	.164	1.052	-.038
220	410	.408	.163	1.019	-.059
220	411	.348	.152	.956	-.087
220	412	.247	.140	.784	-.268
220	413	.219	.138	.772	-.288
220	414	.099	.126	.561	-.363
220	415	-.160	.108	.218	-.519
220	416	-.403	.121	.095	-.966
220	417	.456	.161	.994	-.042
220	418	.414	.153	.941	-.057
220	419	.347	.139	.872	-.071
220	420	.239	.129	.718	-.139
220	421	.103	.117	.526	-.265
220	422	-.180	.110	.184	-.529
220	423	-.350	.116	-.022	-.705
220	424	.389	.155	.961	-.051
220	425	.368	.145	.924	-.038
220	426	.343	.143	.906	-.070
220	427	.297	.135	.796	-.111
220	428	.200	.117	.662	-.137
220	429	.180	.114	.641	-.147
220	430	.060	.110	.518	-.285
220	431	-.160	.112	.282	-.512
220	432	-.343	.119	.096	-.770
220	433	.324	.146	.963	-.091
220	434	.282	.135	.900	-.127
220	435	.241	.128	.844	-.176
220	436	.162	.113	.629	-.237
220	437	.062	.104	.449	-.327
220	438	-.184	.111	.197	-.636

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	439	-.322	.124	.046	-.759
220	440	.112	.114	.601	-.288
220	441	.115	.105	.593	-.280
220	442	.092	.106	.544	-.302
220	443	.089	.102	.566	-.299
220	444	.071	.095	.427	-.239
220	445	.073	.094	.431	-.237
220	446	.008	.095	.384	-.295
220	447	-.095	.106	.274	-.480
220	448	-.220	.112	.146	-.670
220	449	.038	.094	.377	-.343
220	450	.072	.102	.455	-.269
220	451	.093	.102	.468	-.245
220	452	.063	.090	.413	-.223
220	453	.065	.097	.376	-.309
220	454	.044	.101	.454	-.516
220	455	.102	.101	.535	-.245
220	456	.684	.081	.990	.453
220	457	.153	.118	.615	-.210
220	458	.089	.109	.564	-.249
220	459	.156	.119	.686	-.184
220	460	.147	.107	.520	-.207
220	461	.076	.092	.408	-.210
220	501	-.804	.239	-.235	-2.016
220	502	-.707	.184	-.114	-1.460
220	503	-.532	.196	.087	-1.443
220	504	-.296	.168	.241	-1.207
220	505	-.132	.119	.250	-1.296
220	506	-.133	.110	.229	-1.029
220	507	-.149	.111	.264	-1.012
220	508	-.162	.110	.248	-.769
220	509	-.591	.160	-.125	-1.143
220	510	-.651	.166	-.172	-1.230
220	511	-.604	.189	.106	-1.256
220	512	-.348	.188	.179	-1.132
220	513	-.129	.117	.231	-.742
220	514	-.133	.104	.237	-.615
220	515	-.146	.096	.171	-.536
220	516	-.155	.100	.199	-.568
220	517	-.494	.145	-.016	-1.296
220	518	-.545	.149	-.042	-1.427
220	519	-.570	.163	-.071	-1.201
220	520	-.402	.214	.171	-1.178
220	521	-.197	.173	.357	-.998
220	522	-.161	.129	.327	-.877
220	523	-.166	.121	.340	-.692
220	524	-.170	.118	.293	-.668
220	525	-.495	.158	.031	-1.118
220	526	-.551	.162	-.021	-1.168
220	527	-.494	.173	.036	-1.347

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	528	-.322	.190	.176	-1.101
220	529	-.168	.149	.287	-.857
220	530	-.139	.114	.259	-.739
220	531	-.140	.105	.270	-.599
220	532	-.142	.107	.263	-.716
220	533	-.521	.189	.015	-1.503
220	534	-.554	.195	.075	-1.556
220	535	-.469	.222	.117	-1.239
220	536	-.227	.169	.194	-1.030
220	537	-.114	.107	.337	-.714
220	538	-.127	.095	.174	-.721
220	539	-.132	.086	.153	-.429
220	540	-.136	.090	.154	-.431
220	541	-.525	.195	-.034	-1.377
220	542	-.568	.210	.062	-1.478
220	543	-.203	.160	.206	-1.053
220	544	-.132	.093	.206	-.471
220	545	-.097	.085	.220	-.409
220	546	-.127	.089	.208	-.434
220	547	-.127	.092	.163	-.449
220	548	-.132	.098	.173	-.475
220	549	-.258	.160	.172	-.973
220	550	-.114	.107	.288	-.534
220	551	-.108	.089	.200	-.402
220	552	-.130	.091	.172	-.459
220	553	.018	.101	.383	-.401
220	554	-.013	.103	.333	-.407
220	555	-.179	.102	.150	-.678
220	556	-.133	.091	.179	-.474
220	557	-.123	.089	.164	-.447
220	558	-.122	.089	.168	-.473
220	559	-.119	.090	.162	-.485
220	560	-.122	.094	.154	-.504
220	601	-.190	.113	.173	-.724
220	602	-.196	.119	.152	-.771
220	603	-.169	.117	.185	-.734
220	604	-.270	.126	.151	-.916
220	605	-.293	.107	.118	-.813
220	606	-.204	.108	.188	-.625
220	607	-.146	.110	.209	-.572
220	608	-.251	.115	.145	-.764
220	609	-.183	.107	.185	-.628
220	610	-.177	.108	.243	-.607
220	611	-.141	.104	.293	-.531
220	612	-.250	.114	.190	-.640
220	613	-.161	.104	.186	-.538
220	614	-.137	.089	.162	-.503
220	615	-.147	.094	.152	-.517
220	616	-.140	.092	.144	-.498
220	617	-.139	.093	.136	-.522

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	618	-.165	.112	.158	-.704
220	619	-.170	.101	.121	-.588
220	620	-.158	.098	.140	-.559
220	621	-.152	.097	.120	-.554
220	622	-.167	.085	.089	-.502
220	623	-.143	.083	.106	-.472
220	624	-.147	.105	.155	-.907
220	625	-.137	.102	.146	-.874
220	626	-.139	.107	.208	-.862
220	801	.016	.116	.379	-.521
220	802	-.409	.147	.010	-1.042
220	803	-.120	.088	.171	-.398
220	804	-.183	.086	.059	-.534
220	805	-.123	.082	.126	-.450
220	901	-.525	.144	-.045	-1.310
220	902	-.547	.133	-.089	-.951
220	903	-.700	.155	-.196	-1.239
220	904	-.536	.137	-.058	-1.021
220	905	-.489	.174	.178	-1.036
220	906	-.510	.161	.188	-1.031
220	907	-.339	.185	.278	-1.033
220	908	-.371	.163	.190	-1.006
220	909	-.256	.146	.193	-.888
220	910	-.217	.143	.223	-.997
220	911	-.164	.168	.537	-.732
220	912	-.124	.130	.301	-.879
220	913	-.086	.138	.402	-.595
220	914	-.103	.139	.365	-.583
220	915	-.125	.164	.451	-.751
220	916	-.230	.120	.291	-.872
220	917	-.147	.192	.462	-1.069
220	918	-.129	.099	.158	-.462
220	919	-.190	.085	.060	-.493
220	920	-.151	.088	.131	-.450
220	1001	-.241	.092	.086	-.590
220	1002	-.164	.085	.098	-.461
220	1003	-.188	.090	.127	-.508
220	1004	-.126	.086	.163	-.431
220	1005	-.256	.098	.086	-.580
220	1006	-.179	.098	.194	-.515
220	1007	-.014	.093	.347	-.389
220	1008	.001	.085	.344	-.351
220	1009	-.206	.094	.155	-.538
220	1010	-.105	.085	.186	-.384
220	1011	-.141	.090	.161	-.445
220	1012	-.127	.090	.171	-.497
220	1013	-.295	.108	.056	-.671
220	1014	.013	.108	.469	-.414
220	1015	-.004	.090	.252	-.302
220	1016	-.000	.081	.257	-.331

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	1017	-.226	.091	.065	-.540
220	1018	-.129	.082	.144	-.431
220	1019	-.139	.085	.170	-.454
220	1020	.006	.091	.312	-.284
220	1021	-.103	.090	.235	-.432
220	1022	-.107	.082	.195	-.456
220	1023	-.149	.088	.133	-.442
220	1024	.022	.083	.321	-.262
220	1101	-.176	.095	.099	-.504
220	1102	-.117	.092	.166	-.494
220	1103	-.171	.091	.137	-.535
220	1104	-.026	.108	.347	-.425
220	1105	-.016	.141	.428	-.569
220	1106	.164	.124	.670	-.247
220	1107	-.052	.104	.337	-.633
220	1108	-.045	.114	.298	-.572
220	1109	-.056	.110	.310	-.426
220	1201	-.059	.082	.185	-.340
220	1202	-.068	.083	.191	-.353
220	1203	-.132	.085	.140	-.405
220	1204	.044	.089	.310	-.311
220	1205	.069	.088	.335	-.266
220	1206	.095	.097	.451	-.234
220	1207	.086	.093	.405	-.243
220	1208	.071	.091	.386	-.204
220	1209	.055	.092	.371	-.233
230	101	-.212	.112	.147	-.732
230	102	-.199	.113	.163	-.670
230	103	-.315	.128	.163	-.817
230	104	-.184	.111	.213	-.767
230	105	-.251	.112	.110	-.694
230	106	-.180	.104	.167	-.761
230	107	-.202	.101	.100	-.581
230	108	-.198	.095	.212	-.545
230	109	-.183	.096	.152	-.534
230	110	-.255	.104	.065	-.748
230	111	-.203	.097	.104	-.601
230	112	-.215	.099	.099	-.589
230	113	-.201	.100	.096	-.582
230	114	-.271	.110	.062	-.761
230	115	-.220	.104	.120	-.695
230	116	-.201	.099	.133	-.729
230	117	-.176	.104	.152	-.632
230	118	-.241	.106	.095	-.736
230	119	-.190	.102	.156	-.656
230	120	-.197	.100	.120	-.575
230	121	-.186	.104	.147	-.745
230	122	-.254	.111	.120	-.740
230	123	-.210	.111	.182	-.770
230	124	-.213	.116	.217	-.831

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	125	-.204	.115	.207	-.826
230	126	-.227	.101	.150	-.571
230	127	-.179	.097	.162	-.538
230	128	-.188	.096	.139	-.511
230	129	-.179	.099	.132	-.717
230	130	-.258	.112	.091	-.787
230	131	-.224	.114	.133	-.742
230	132	-.235	.120	.111	-.745
230	133	-.157	.096	.110	-.618
230	134	-.225	.100	.043	-.703
230	135	-.176	.096	.090	-.612
230	136	-.186	.100	.134	-.563
230	137	-.174	.101	.160	-.591
230	138	-.242	.107	.133	-.650
230	139	-.201	.110	.168	-.703
230	140	-.209	.112	.169	-.730
230	141	-.175	.108	.170	-.653
230	142	-.279	.102	.102	-.666
230	143	-.148	.089	.152	-.477
230	144	-.189	.094	.100	-.547
230	145	-.171	.093	.129	-.534
230	146	-.238	.099	.071	-.588
230	147	-.195	.097	.119	-.545
230	148	-.180	.098	.154	-.563
230	149	-.133	.098	.200	-.457
230	150	-.201	.097	.137	-.510
230	151	-.151	.092	.173	-.448
230	152	-.162	.102	.179	-.626
230	153	-.151	.098	.176	-.606
230	154	-.219	.102	.127	-.756
230	155	-.167	.097	.155	-.610
230	156	-.165	.095	.198	-.519
230	157	-.151	.094	.217	-.488
230	201	-.242	.104	.162	-.652
230	202	-.169	.100	.216	-.589
230	203	-.150	.107	.170	-.679
230	204	-.168	.126	.165	-.749
230	205	-.235	.187	.225	-1.217
230	206	-.603	.262	.200	-1.527
230	207	-.743	.208	-.149	-1.849
230	208	-.722	.201	-.139	-1.832
230	209	-.210	.109	.128	-.648
230	210	-.192	.110	.157	-.684
230	211	-.162	.115	.201	-.731
230	212	-.193	.159	.426	-1.034
230	213	-.398	.265	.409	-1.471
230	214	-.704	.252	.163	-1.648
230	215	-.703	.219	-.025	-1.653
230	216	-.689	.216	-.020	-1.629
230	217	-.242	.138	.183	-1.130

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	218	-.230	.138	.188	-.854
230	219	-.223	.154	.242	-1.112
230	220	-.290	.198	.193	-1.226
230	221	-.445	.243	.267	-1.384
230	222	-.609	.237	.139	-1.746
230	223	-.604	.177	.006	-1.310
230	224	-.592	.176	.008	-1.314
230	225	-.255	.142	.175	-.928
230	226	-.246	.144	.234	-.849
230	227	-.253	.159	.226	-1.179
230	228	-.344	.205	.371	-1.325
230	229	-.496	.230	.163	-1.530
230	230	-.604	.217	.113	-1.888
230	231	-.619	.198	-.020	-1.946
230	232	-.609	.194	-.024	-1.808
230	233	-.222	.108	.103	-.763
230	234	-.191	.116	.200	-.708
230	235	-.239	.146	.225	-.823
230	236	-.320	.183	.144	-1.264
230	237	-.462	.207	.283	-1.408
230	238	-.554	.214	.021	-2.292
230	239	-.553	.215	-.016	-1.727
230	240	-.541	.212	-.010	-1.783
230	241	-.184	.105	.163	-.527
230	242	-.175	.106	.182	-.533
230	243	-.182	.114	.181	-.715
230	244	-.230	.138	.266	-.894
230	245	-.367	.184	.150	-1.155
230	246	-.543	.219	.082	-1.523
230	247	-.583	.219	.050	-1.876
230	248	-.571	.212	.007	-1.674
230	249	-.208	.107	.204	-.732
230	250	-.275	.133	.163	-.869
230	251	-.499	.199	.043	-1.618
230	252	-.176	.099	.169	-.608
230	253	-.172	.097	.164	-.552
230	254	-.169	.098	.136	-.525
230	255	-.182	.108	.185	-.608
230	256	-.175	.114	.238	-.651
230	257	-.196	.108	.185	-.635
230	258	-.210	.115	.132	-.691
230	259	-.216	.120	.253	-.639
230	260	-.243	.116	.207	-.678
230	261	-.271	.129	.156	-.810
230	262	-.333	.183	.381	-1.226
230	263	-.393	.169	.007	-1.463
230	264	-.506	.210	.083	-2.147
230	265	-.542	.228	-.008	-2.183
230	301	.125	.170	.717	-.461
230	302	.224	.169	.862	-.262
230	303	.215	.157	.881	-.274
230	304	.174	.162	.826	-.431
230	305	.473	.173	1.221	-.091
230	306	.421	.170	1.076	-.309
230	307	.184	.151	.887	-.264
230	308	.479	.161	1.176	-.068
230	309	.453	.155	1.048	-.063
230	310	.105	.147	.826	-.338
230	311	.397	.155	1.007	-.133
230	312	.392	.147	.940	-.106
230	313	.071	.147	1.005	-.482
230	314	.324	.163	1.061	-.194
230	315	.281	.148	.869	-.311
230	316	-.035	.150	.588	-.498
230	317	.164	.156	.776	-.298
230	318	.118	.120	.597	-.325
230	319	-.028	.133	.607	-.386
230	320	.056	.121	.580	-.292
230	321	.029	.148	.614	-.474
230	322	-.003	.102	.362	-.312
230	323	.131	.127	.661	-.263
230	324	-.039	.173	.655	-.659
230	325	.004	.140	.572	-.406
230	326	.048	.101	.400	-.374
230	401	.114	.175	.692	-.537
230	402	.032	.132	.558	-.349
230	403	.032	.122	.554	-.340
230	404	.021	.122	.496	-.509
230	405	-.028	.114	.354	-.615
230	406	-.202	.119	.167	-.769
230	407	-.305	.115	.062	-.926
230	408	.294	.201	.944	-.507
230	409	.314	.150	.878	-.182
230	410	.280	.150	.845	-.163
230	411	.232	.137	.743	-.177
230	412	.165	.122	.562	-.299
230	413	.148	.120	.557	-.321
230	414	.014	.115	.405	-.462
230	415	-.167	.106	.185	-.582
230	416	-.338	.115	.081	-.760
230	417	.371	.186	.912	-.276
230	418	.332	.158	.831	-.308
230	419	.271	.140	.766	-.112
230	420	.161	.111	.519	-.241
230	421	.053	.100	.382	-.337
230	422	-.199	.098	.131	-.579
230	423	-.276	.102	.042	-.644
230	424	.313	.155	1.006	-.367
230	425	.314	.131	.897	-.062
230	426	.267	.133	.863	-.135
230	427	.227	.121	.790	-.138
230	428	.142	.118	.478	-.330
230	429	.129	.112	.470	-.334
230	430	-.019	.110	.297	-.490
230	431	-.193	.107	.156	-.614
230	432	-.317	.114	.006	-.740
230	433	.251	.149	.731	-.355
230	434	.195	.131	.687	-.238
230	435	.169	.119	.642	-.194
230	436	.085	.109	.504	-.315
230	437	-.004	.099	.439	-.380
230	438	-.263	.108	.170	-.634
230	439	-.344	.115	-.006	-.795
230	440	.072	.111	.500	-.578
230	441	.091	.094	.432	-.280
230	442	.045	.097	.440	-.345
230	443	.057	.090	.346	-.312
230	444	.029	.089	.334	-.230
230	445	.037	.088	.331	-.245
230	446	-.063	.093	.236	-.356
230	447	-.165	.107	.227	-.534
230	448	-.293	.118	.061	-.687
230	449	.030	.100	.367	-.394
230	450	.006	.095	.324	-.344
230	451	.044	.094	.364	-.290
230	452	.031	.098	.381	-.306
230	453	.050	.096	.439	-.263
230	454	-.029	.117	.297	-.548
230	455	.061	.096	.405	-.287
230	456	.637	.071	.874	.408
230	457	.062	.111	.499	-.292
230	458	.007	.103	.367	-.312
230	459	.060	.120	.497	-.355
230	460	.071	.108	.469	-.303
230	461	.034	.098	.369	-.311
230	501	-.597	.179	-.124	-1.582
230	502	-.532	.156	-.020	-1.322
230	503	-.504	.154	-.030	-1.226
230	504	-.424	.169	.157	-1.583
230	505	-.319	.178	.237	-1.222
230	506	-.247	.172	.224	-1.179
230	507	-.212	.147	.243	-.998
230	508	-.209	.140	.177	-1.036
230	509	-.430	.141	.080	-.995
230	510	-.441	.142	.072	-1.065
230	511	-.475	.135	-.014	-1.067
230	512	-.436	.137	.058	-.924
230	513	-.310	.140	.233	-.789
230	514	-.211	.132	.392	-.656
230	515	-.179	.111	.205	-.890

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	516	-.181	.113	.200	-.878
230	517	-.373	.137	.070	-.918
230	518	-.383	.137	.053	-.927
230	519	-.412	.140	-.035	-1.043
230	520	-.414	.143	-.013	-1.074
230	521	-.338	.149	.212	-.886
230	522	-.250	.145	.241	-.743
230	523	-.247	.173	.293	-.995
230	524	-.255	.183	.276	-1.059
230	525	-.412	.139	-.015	-.952
230	526	-.425	.140	-.011	-.967
230	527	-.429	.148	.068	-1.440
230	528	-.414	.145	.056	-1.313
230	529	-.334	.156	.285	-1.111
230	530	-.254	.149	.187	-.953
230	531	-.200	.138	.257	-.804
230	532	-.200	.149	.269	-1.035
230	533	-.498	.159	-.064	-1.180
230	534	-.513	.162	-.078	-1.358
230	535	-.509	.151	.014	-1.137
230	536	-.402	.168	.156	-1.096
230	537	-.234	.152	.211	-.812
230	538	-.159	.123	.175	-.636
230	539	-.143	.096	.170	-.512
230	540	-.139	.097	.155	-.637
230	541	-.536	.170	-.066	-1.253
230	542	-.555	.181	-.030	-1.424
230	543	-.299	.179	.162	-1.182
230	544	-.150	.096	.151	-.656
230	545	-.121	.082	.149	-.426
230	546	-.120	.084	.135	-.442
230	547	-.119	.087	.168	-.453
230	548	-.120	.092	.177	-.486
230	549	-.318	.158	.108	-1.022
230	550	-.169	.115	.218	-.797
230	551	-.130	.083	.159	-.475
230	552	-.129	.087	.182	-.514
230	553	-.026	.096	.328	-.477
230	554	-.048	.099	.290	-.445
230	555	-.158	.093	.121	-.567
230	556	-.124	.086	.164	-.422
230	557	-.126	.086	.153	-.415
230	558	-.113	.086	.204	-.422
230	559	-.111	.093	.175	-.442
230	560	-.113	.096	.181	-.452
230	601	-.199	.114	.165	-.702
230	602	-.220	.112	.127	-.648
230	603	-.225	.117	.130	-.654
230	604	-.239	.125	.101	-1.310
230	605	-.303	.102	.059	-.669
230	606	-.221	.105	.089	-.746
230	607	-.215	.117	.134	-.698
230	608	-.199	.106	.116	-.621
230	609	-.204	.105	.108	-.564
230	610	-.206	.121	.182	-.855
230	611	-.189	.109	.178	-.717
230	612	-.202	.108	.191	-.712
230	613	-.166	.109	.163	-.629
230	614	-.138	.088	.194	-.509
230	615	-.144	.094	.209	-.639
230	616	-.161	.101	.202	-.673
230	617	-.132	.095	.223	-.567
230	618	-.136	.094	.148	-.638
230	619	-.135	.085	.235	-.412
230	620	-.159	.085	.215	-.420
230	621	-.127	.083	.245	-.393
230	622	-.152	.090	.195	-.425
230	623	-.126	.087	.228	-.397
230	624	-.156	.102	.201	-.545
230	625	-.118	.100	.213	-.593
230	626	-.128	.104	.176	-.561
230	801	-.064	.144	.365	-.718
230	802	-.373	.147	.029	-1.026
230	803	-.108	.092	.203	-.496
230	804	-.161	.091	.158	-.498
230	805	-.101	.086	.197	-.427
230	901	-.467	.134	-.065	-1.110
230	902	-.482	.139	-.020	-.974
230	903	-.761	.186	-.266	-1.445
230	904	-.502	.152	-.051	-1.056
230	905	-.311	.191	.308	-1.051
230	906	-.355	.188	.386	-1.000
230	907	-.224	.146	.195	-1.284
230	908	-.203	.134	.182	-.753
230	909	-.120	.099	.206	-.601
230	910	-.130	.097	.173	-.527
230	911	-.037	.145	.421	-.573
230	912	-.053	.114	.357	-.512
230	913	-.064	.117	.384	-.428
230	914	-.024	.112	.355	-.544
230	915	-.021	.127	.477	-.431
230	916	-.259	.152	.208	-1.240
230	917	-.297	.184	.328	-1.160
230	918	-.126	.094	.179	-.439
230	919	-.191	.083	.167	-.414
230	920	-.150	.093	.190	-.551
230	1001	-.213	.093	.099	-.562
230	1002	-.141	.088	.151	-.445
230	1003	-.183	.094	.127	-.482
230	1004	-.126	.091	.178	-.428
230	1005	-.283	.104	.086	-.605
230	1006	-.223	.107	.175	-.563
230	1007	-.042	.087	.243	-.375
230	1008	-.030	.083	.224	-.348
230	1009	-.210	.095	.063	-.603
230	1010	-.112	.087	.141	-.410
230	1011	-.151	.092	.170	-.481
230	1012	-.141	.090	.178	-.486
230	1013	-.342	.110	.035	-.727
230	1014	-.029	.113	.398	-.423
230	1015	-.053	.097	.335	-.475
230	1016	-.035	.084	.312	-.377
230	1017	-.234	.095	.198	-.534
230	1018	-.119	.085	.175	-.394
230	1019	-.144	.088	.194	-.435
230	1020	-.025	.110	.382	-.437
230	1021	-.142	.096	.174	-.476
230	1022	-.107	.089	.199	-.374
230	1023	-.156	.089	.163	-.474
230	1024	.010	.091	.364	-.330
230	1101	-.167	.094	.133	-.472
230	1102	-.118	.089	.186	-.430
230	1103	-.145	.088	.175	-.490
230	1104	-.024	.101	.362	-.442
230	1105	-.011	.116	.530	-.458
230	1106	.068	.115	.534	-.284
230	1107	-.044	.104	.328	-.484
230	1108	-.039	.101	.272	-.499
230	1109	-.058	.099	.291	-.487
230	1201	-.067	.081	.212	-.337
230	1202	-.071	.083	.214	-.341
230	1203	-.130	.087	.162	-.401
230	1204	.007	.086	.368	-.253
230	1205	.029	.085	.374	-.226
230	1206	.049	.089	.345	-.248
230	1207	.044	.085	.353	-.222
230	1208	.034	.085	.313	-.242
230	1209	.027	.087	.312	-.259
240	101	-.204	.116	.202	-.722
240	102	-.223	.117	.154	-.809
240	103	-.184	.108	.108	-.806
240	104	-.208	.111	.130	-.903
240	105	-.271	.105	.066	-.768
240	106	-.166	.086	.147	-.512
240	107	-.212	.093	.117	-.592
240	108	-.198	.090	.138	-.521
240	109	-.181	.091	.167	-.524
240	110	-.281	.100	.087	-.621
240	111	-.222	.093	.131	-.520
240	112	-.215	.096	.078	-.540

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	113	-.195	.093	.091	-.529
240	114	-.264	.099	.041	-.602
240	115	-.207	.094	.071	-.646
240	116	-.197	.096	.128	-.527
240	117	-.225	.101	.134	-.581
240	118	-.294	.104	.078	-.697
240	119	-.237	.098	.112	-.599
240	120	-.225	.090	.066	-.542
240	121	-.209	.089	.116	-.576
240	122	-.279	.095	.054	-.637
240	123	-.225	.091	.084	-.618
240	124	-.227	.093	.069	-.665
240	125	-.211	.091	.067	-.558
240	126	-.322	.111	.030	-.800
240	127	-.266	.103	.070	-.715
240	128	-.259	.110	.069	-.915
240	129	-.246	.110	.084	-.685
240	130	-.318	.116	.028	-.808
240	131	-.262	.109	.063	-.758
240	132	-.269	.112	.197	-.687
240	133	-.197	.110	.143	-.618
240	134	-.271	.113	.097	-.645
240	135	-.220	.110	.156	-.618
240	136	-.254	.119	.085	-.773
240	137	-.252	.124	.141	-.803
240	138	-.328	.130	.102	-.877
240	139	-.283	.129	.151	-.980
240	140	-.257	.124	.109	-.908
240	141	-.256	.120	.062	-.869
240	142	-.164	.094	.110	-.526
240	143	-.152	.090	.119	-.504
240	144	-.206	.106	.097	-.619
240	145	-.203	.107	.106	-.664
240	146	-.287	.114	.054	-.715
240	147	-.245	.113	.091	-.700
240	148	-.240	.113	.117	-1.011
240	149	-.137	.104	.186	-.689
240	150	-.205	.103	.132	-.687
240	151	-.156	.097	.168	-.589
240	152	-.165	.106	.121	-.574
240	153	-.165	.105	.137	-.601
240	154	-.244	.111	.091	-.696
240	155	-.198	.110	.136	-.792
240	156	-.190	.106	.149	-.611
240	157	-.174	.104	.153	-.555
240	201	-.220	.097	.078	-.537
240	202	-.131	.089	.156	-.405
240	203	-.105	.096	.248	-.545
240	204	-.096	.099	.301	-.569
240	205	-.098	.111	.327	-.915

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	206	-.220	.228	.318	-1.344
240	207	-.642	.253	.341	-1.662
240	208	-.630	.232	.316	-1.725
240	209	-.209	.092	.081	-.588
240	210	-.176	.090	.129	-.542
240	211	-.128	.096	.190	-.590
240	212	-.090	.103	.399	-.733
240	213	-.098	.155	.369	-1.141
240	214	-.369	.340	.341	-1.477
240	215	-.569	.242	.381	-1.621
240	216	-.553	.229	.422	-1.313
240	217	-.241	.104	.114	-.648
240	218	-.205	.101	.125	-.652
240	219	-.158	.095	.198	-.602
240	220	-.131	.113	.282	-.839
240	221	-.169	.180	.305	-1.134
240	222	-.393	.307	.386	-1.553
240	223	-.543	.201	.234	-1.363
240	224	-.529	.193	.166	-1.328
240	225	-.268	.101	.062	-.694
240	226	-.231	.096	.117	-.615
240	227	-.187	.102	.198	-.724
240	228	-.178	.121	.184	-1.043
240	229	-.263	.180	.306	-1.033
240	230	-.469	.230	.217	-1.407
240	231	-.552	.197	.077	-2.726
240	232	-.540	.191	.012	-2.537
240	233	-.279	.121	.072	-1.045
240	234	-.180	.097	.109	-.492
240	235	-.203	.111	.203	-.587
240	236	-.208	.131	.219	-.776
240	237	-.310	.189	.173	-1.240
240	238	-.493	.223	.247	-1.702
240	239	-.522	.195	-.001	-1.371
240	240	-.509	.191	-.003	-1.300
240	241	-.229	.108	.104	-.694
240	242	-.196	.103	.124	-.651
240	243	-.169	.100	.193	-.464
240	244	-.174	.104	.155	-.527
240	245	-.251	.126	.147	-.861
240	246	-.388	.176	.105	-1.083
240	247	-.517	.202	.006	-1.616
240	248	-.510	.195	-.025	-1.653
240	249	-.198	.111	.150	-.676
240	250	-.231	.128	.158	-.989
240	251	-.372	.168	.104	-1.192
240	252	-.197	.105	.229	-.580
240	253	-.194	.102	.227	-.528
240	254	-.155	.098	.233	-.485
240	255	-.153	.097	.190	-.533

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	256	-.126	.104	.324	-.534
240	257	-.177	.098	.181	-.564
240	258	-.165	.099	.190	-.539
240	259	-.167	.113	.177	-.710
240	260	-.192	.112	.186	-.611
240	261	-.223	.117	.146	-.767
240	262	-.235	.156	.631	-.889
240	263	-.331	.175	.129	-1.462
240	264	-.502	.246	.112	-1.656
240	265	-.601	.254	.074	-2.249
240	301	.297	.196	.912	-.335
240	302	.312	.181	.893	-.317
240	303	.191	.162	.765	-.325
240	304	.397	.179	1.146	-.218
240	305	.566	.178	1.131	-.053
240	306	.301	.199	1.192	-.360
240	307	.311	.178	1.006	-.190
240	308	.507	.174	1.206	.066
240	309	.322	.168	.959	-.269
240	310	.200	.168	.769	-.333
240	311	.397	.173	.948	-.130
240	312	.273	.159	.787	-.229
240	313	.128	.167	.815	-.446
240	314	.314	.178	.922	-.209
240	315	.174	.159	.791	-.378
240	316	.019	.164	.827	-.484
240	317	.180	.158	.845	-.291
240	318	.067	.132	.598	-.467
240	319	-.086	.104	.378	-.505
240	320	.008	.095	.419	-.331
240	321	.078	.098	.432	-.268
240	322	-.017	.087	.290	-.317
240	323	.079	.106	.511	-.231
240	324	.038	.156	.667	-.454
240	325	.143	.123	.618	-.214
240	326	.034	.098	.373	-.320
240	401	-.078	.175	.444	-.806
240	402	-.070	.130	.324	-.792
240	403	-.003	.102	.332	-.306
240	404	-.013	.102	.299	-.375
240	405	-.032	.095	.368	-.411
240	406	-.209	.100	.195	-.539
240	407	-.228	.096	.124	-.539
240	408	.070	.201	.725	-.638
240	409	.179	.165	.672	-.563
240	410	.161	.145	.671	-.312
240	411	.137	.120	.547	-.250
240	412	.077	.113	.475	-.315
240	413	.076	.110	.520	-.294
240	414	-.060	.107	.330	-.445

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	415	-.160	.099	.231	-.615
240	416	-.262	.102	.089	-.658
240	417	.136	.203	.725	-.759
240	418	.155	.181	.687	-.718
240	419	.148	.121	.590	-.381
240	420	.086	.120	.591	-.315
240	421	.002	.108	.461	-.404
240	422	-.229	.105	.149	-.639
240	423	-.254	.099	.072	-.641
240	424	.126	.188	.680	-.598
240	425	.208	.142	.625	-.452
240	426	.160	.134	.572	-.386
240	427	.129	.115	.506	-.221
240	428	.045	.098	.346	-.282
240	429	.047	.094	.328	-.287
240	430	-.103	.097	.190	-.460
240	431	-.212	.096	.105	-.518
240	432	-.305	.101	.028	-.731
240	433	.104	.170	.618	-.609
240	434	.092	.123	.525	-.307
240	435	.079	.109	.495	-.261
240	436	.021	.097	.404	-.269
240	437	-.052	.091	.266	-.314
240	438	-.305	.103	.036	-.648
240	439	-.342	.103	.017	-.683
240	440	-.002	.124	.355	-.592
240	441	.054	.088	.353	-.299
240	442	-.005	.091	.292	-.339
240	443	-.012	.084	.266	-.281
240	444	-.016	.087	.347	-.288
240	445	.001	.085	.359	-.267
240	446	-.117	.090	.263	-.385
240	447	-.195	.097	.222	-.510
240	448	-.288	.107	.008	-.653
240	449	-.020	.118	.370	-.516
240	450	-.048	.092	.286	-.335
240	451	.001	.088	.299	-.269
240	452	-.012	.092	.295	-.367
240	453	.007	.087	.371	-.290
240	454	-.126	.142	.288	-.755
240	455	.029	.091	.329	-.310
240	456	.605	.065	.796	.377
240	457	.011	.092	.320	-.331
240	458	-.046	.090	.217	-.396
240	459	-.006	.093	.336	-.369
240	460	.013	.096	.376	-.389
240	461	-.004	.093	.337	-.392
240	501	-.382	.124	.028	-.913
240	502	-.313	.117	-.048	-.828
240	503	-.359	.120	-.018	-.924
240	504	-.364	.131	.006	-1.239
240	505	-.335	.146	.119	-.981
240	506	-.303	.169	.167	-1.296
240	507	-.307	.181	.289	-1.258
240	508	-.292	.165	.254	-1.036
240	509	-.322	.113	.037	-.808
240	510	-.328	.113	.037	-.810
240	511	-.326	.119	.034	-.861
240	512	-.347	.120	.018	-.965
240	513	-.330	.112	.059	-.824
240	514	-.279	.119	.183	-.799
240	515	-.275	.134	.203	-.869
240	516	-.282	.143	.158	-.886
240	517	-.299	.113	.052	-.831
240	518	-.311	.113	.039	-.840
240	519	-.321	.106	.045	-.687
240	520	-.347	.118	.012	-.899
240	521	-.343	.124	.094	-.803
240	522	-.315	.126	.277	-.791
240	523	-.326	.143	.164	-1.280
240	524	-.334	.152	.125	-1.189
240	525	-.388	.113	-.002	-.817
240	526	-.391	.114	-.010	-.819
240	527	-.405	.115	-.044	-.812
240	528	-.414	.122	.013	-.933
240	529	-.405	.132	-.009	-.928
240	530	-.362	.135	.146	-1.113
240	531	-.314	.136	.277	-.833
240	532	-.316	.145	.273	-1.052
240	533	-.458	.131	-.008	-1.096
240	534	-.462	.132	-.005	-1.091
240	535	-.469	.126	-.060	-.942
240	536	-.435	.135	.049	-.961
240	537	-.315	.145	.149	-1.132
240	538	-.219	.131	.147	-.838
240	539	-.187	.109	.172	-.586
240	540	-.182	.110	.195	-.750
240	541	-.533	.164	-.092	-1.261
240	542	-.546	.175	-.082	-1.466
240	543	-.342	.174	.132	-1.094
240	544	-.189	.118	.152	-.695
240	545	-.141	.092	.181	-.478
240	546	-.126	.094	.206	-.425
240	547	-.128	.093	.140	-.452
240	548	-.129	.099	.144	-.472
240	549	-.312	.149	.169	-1.118
240	550	-.241	.125	.133	-.960
240	551	-.173	.096	.201	-.620
240	552	-.133	.098	.250	-.473
240	553	-.078	.104	.306	-.394
240	554	-.099	.109	.318	-.480
240	555	-.147	.097	.209	-.571
240	556	-.119	.093	.220	-.452
240	557	-.125	.093	.215	-.465
240	558	-.112	.092	.245	-.423
240	559	-.117	.099	.204	-.468
240	560	-.115	.100	.199	-.480
240	601	-.228	.116	.199	-.652
240	602	-.212	.105	.085	-.607
240	603	-.216	.111	.109	-.686
240	604	-.267	.113	.113	-.970
240	605	-.181	.084	.083	-.463
240	606	-.225	.099	.064	-.541
240	607	-.260	.108	.105	-.685
240	608	-.254	.102	.045	-.650
240	609	-.243	.101	.074	-.604
240	610	-.294	.121	.073	-.786
240	611	-.265	.112	.079	-.616
240	612	-.300	.120	.068	-.709
240	613	-.206	.116	.193	-.727
240	614	-.182	.098	.094	-.619
240	615	-.184	.105	.124	-.630
240	616	-.182	.100	.123	-.608
240	617	-.130	.093	.164	-.523
240	618	-.149	.093	.154	-.584
240	619	-.124	.083	.167	-.360
240	620	-.179	.086	.123	-.436
240	621	-.126	.081	.154	-.370
240	622	-.131	.082	.173	-.411
240	623	-.102	.081	.185	-.386
240	624	-.165	.096	.125	-.522
240	625	-.111	.090	.186	-.459
240	626	-.118	.093	.140	-.460
240	801	-.086	.112	.282	-.608
240	802	-.214	.109	.123	-.712
240	803	-.096	.078	.144	-.374
240	804	-.132	.086	.148	-.433
240	805	-.116	.085	.159	-.407
240	901	-.358	.126	.036	-.993
240	902	-.386	.124	.031	-.831
240	903	-.702	.149	-.138	-1.289
240	904	-.388	.130	.091	-.845
240	905	-.053	.135	.293	-.798
240	906	-.346	.220	.441	-1.344
240	907	-.157	.124	.236	-.678
240	908	-.104	.095	.173	-.563
240	909	-.090	.094	.227	-.593
240	910	-.168	.096	.125	-.511
240	911	.023	.114	.464	-.391
240	912	-.053	.101	.305	-.409

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	913	-.090	.108	.354	-.513
240	914	-.035	.118	.447	-.545
240	915	-.062	.130	.380	-.595
240	916	-.301	.162	.228	-1.035
240	917	-.302	.156	.167	-1.060
240	918	-.154	.103	.171	-.491
240	919	-.184	.086	.091	-.458
240	920	-.131	.080	.122	-.433
240	1001	-.099	.085	.185	-.385
240	1002	-.137	.087	.155	-.422
240	1003	-.160	.085	.122	-.474
240	1004	-.150	.084	.110	-.472
240	1005	-.179	.086	.091	-.459
240	1006	-.247	.087	.035	-.564
240	1007	-.056	.089	.279	-.358
240	1008	-.082	.085	.226	-.349
240	1009	-.098	.087	.214	-.362
240	1010	-.115	.088	.171	-.398
240	1011	-.139	.083	.132	-.433
240	1012	-.167	.085	.098	-.640
240	1013	-.234	.095	.066	-.621
240	1014	-.057	.106	.397	-.393
240	1015	-.084	.090	.190	-.428
240	1016	-.093	.078	.153	-.381
240	1017	-.128	.083	.138	-.429
240	1018	-.123	.079	.148	-.370
240	1019	-.123	.082	.131	-.436
240	1020	-.033	.108	.391	-.353
240	1021	-.041	.082	.240	-.339
240	1022	-.106	.082	.135	-.459
240	1023	-.129	.081	.126	-.407
240	1024	-.009	.088	.358	-.312
240	1101	-.146	.089	.161	-.422
240	1102	-.132	.087	.194	-.479
240	1103	-.131	.084	.198	-.450
240	1104	-.021	.092	.266	-.362
240	1105	-.015	.095	.308	-.344
240	1106	-.030	.095	.370	-.308
240	1107	-.035	.090	.267	-.357
240	1108	-.050	.091	.281	-.494
240	1109	-.078	.094	.230	-.484
240	1201	-.071	.077	.212	-.347
240	1202	-.068	.078	.217	-.354
240	1203	-.128	.083	.172	-.424
240	1204	-.027	.082	.329	-.341
240	1205	-.000	.080	.350	-.299
240	1206	.015	.081	.309	-.301
240	1207	.020	.088	.348	-.269
240	1208	.001	.079	.303	-.274
240	1209	-.009	.081	.283	-.307

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	101	-.234	.118	.148	-.802
250	102	-.248	.118	.129	-.713
250	103	-.236	.111	.139	-1.170
250	104	-.234	.110	.141	-.864
250	105	-.299	.107	.034	-.725
250	106	-.216	.091	.136	-.555
250	107	-.237	.099	.072	-.576
250	108	-.220	.092	.143	-.511
250	109	-.200	.093	.166	-.511
250	110	-.303	.105	.110	-.769
250	111	-.244	.095	.139	-.602
250	112	-.240	.088	.030	-.526
250	113	-.220	.087	.090	-.501
250	114	-.283	.092	.058	-.593
250	115	-.224	.087	.101	-.496
250	116	-.222	.092	.047	-.571
250	117	-.279	.104	-.004	-.668
250	118	-.341	.104	-.062	-.776
250	119	-.280	.098	-.013	-.662
250	120	-.272	.097	.084	-.718
250	121	-.249	.093	.076	-.601
250	122	-.316	.099	.022	-.665
250	123	-.260	.094	.054	-.591
250	124	-.253	.097	.065	-.589
250	125	-.235	.096	.085	-.566
250	126	-.389	.132	.006	-1.106
250	127	-.328	.119	.069	-.894
250	128	-.325	.118	.057	-.929
250	129	-.308	.116	.096	-.809
250	130	-.375	.119	.063	-.760
250	131	-.314	.113	.100	-.699
250	132	-.302	.106	.110	-.694
250	133	-.264	.132	.111	-.751
250	134	-.349	.139	.054	-1.001
250	135	-.304	.132	.080	-.952
250	136	-.348	.140	.212	-.937
250	137	-.365	.143	.216	-1.301
250	138	-.443	.143	.088	-1.256
250	139	-.401	.140	.107	-1.070
250	140	-.380	.125	.082	-.884
250	141	-.380	.125	.081	-.875
250	142	-.152	.099	.159	-.655
250	143	-.146	.101	.155	-.716
250	144	-.185	.109	.139	-.712
250	145	-.218	.121	.163	-.739
250	146	-.352	.143	.081	-.983
250	147	-.370	.146	.021	-1.144
250	148	-.344	.143	.008	-1.234
250	149	-.095	.084	.226	-.354
250	150	-.155	.091	.199	-.440

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	151	-.111	.088	.223	-.380
250	152	-.127	.100	.194	-.632
250	153	-.142	.106	.144	-.646
250	154	-.227	.113	.097	-.751
250	155	-.202	.115	.121	-.673
250	156	-.245	.113	.144	-.667
250	157	-.238	.112	.120	-.871
250	201	-.224	.095	.080	-.572
250	202	-.125	.090	.152	-.456
250	203	-.075	.094	.233	-.443
250	204	-.050	.096	.230	-.424
250	205	-.061	.104	.234	-.465
250	206	-.045	.114	.281	-.722
250	207	-.192	.312	.567	-1.059
250	208	-.233	.287	.811	-1.016
250	209	-.226	.096	.083	-.686
250	210	-.160	.093	.128	-.605
250	211	-.066	.096	.257	-.462
250	212	.003	.102	.336	-.407
250	213	.029	.112	.416	-.428
250	214	.091	.170	.567	-.919
250	215	-.115	.303	.740	-1.076
250	216	-.121	.281	.861	-1.012
250	217	-.259	.097	.063	-.577
250	218	-.189	.091	.100	-.499
250	219	-.104	.091	.192	-.402
250	220	-.032	.095	.277	-.326
250	221	-.004	.103	.317	-.308
250	222	.054	.153	.463	-.819
250	223	-.188	.303	.593	-1.201
250	224	-.200	.278	.640	-1.145
250	225	-.319	.103	.016	-.652
250	226	-.244	.095	.087	-.566
250	227	-.140	.094	.165	-.497
250	228	-.071	.095	.216	-.476
250	229	-.073	.115	.265	-.715
250	230	-.089	.212	.309	-1.362
250	231	-.384	.284	.625	-1.301
250	232	-.386	.250	.770	-1.279
250	233	-.374	.111	-.043	-.797
250	234	-.208	.100	.183	-.621
250	235	-.162	.098	.223	-.565
250	236	-.108	.101	.289	-.489
250	237	-.166	.137	.217	-.785
250	238	-.306	.196	.309	-1.247
250	239	-.439	.183	.125	-1.463
250	240	-.422	.175	.135	-1.330
250	241	-.327	.121	.064	-.883
250	242	-.234	.105	.118	-.662
250	243	-.140	.094	.153	-.450

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	244	-.114	.096	.201	-.500
250	245	-.187	.114	.211	-.694
250	246	-.264	.155	.116	-1.045
250	247	-.381	.183	.138	-1.674
250	248	-.372	.175	.080	-1.532
250	249	-.150	.100	.248	-.567
250	250	-.143	.105	.228	-.565
250	251	-.258	.156	.174	-1.135
250	252	-.201	.104	.200	-.663
250	253	-.201	.101	.236	-.610
250	254	-.119	.096	.199	-.515
250	255	-.109	.108	.284	-.569
250	256	-.070	.113	.343	-.487
250	257	-.148	.111	.231	-.562
250	258	-.113	.108	.275	-.498
250	259	-.100	.103	.509	-.457
250	260	-.122	.101	.200	-.521
250	261	-.170	.108	.169	-.662
250	262	-.165	.139	.301	-.866
250	263	-.245	.154	.260	-1.071
250	264	-.397	.219	.201	-1.880
250	265	-.501	.236	.138	-1.924
250	301	.400	.196	.974	-.277
250	302	.252	.173	.847	-.301
250	303	.025	.148	.585	-.630
250	304	.518	.183	1.214	-.039
250	305	.479	.175	1.124	-.170
250	306	-.001	.191	.643	-.671
250	307	.475	.175	1.115	-.104
250	308	.466	.172	1.071	-.060
250	309	.065	.171	.711	-.521
250	310	.344	.173	.898	-.309
250	311	.405	.160	1.073	-.215
250	312	.111	.154	.691	-.495
250	313	.219	.153	.786	-.358
250	314	.343	.163	1.084	-.153
250	315	.074	.134	.650	-.350
250	316	.142	.168	.854	-.416
250	317	.266	.165	.928	-.197
250	318	.020	.123	.588	-.420
250	319	-.105	.091	.228	-.411
250	320	.042	.103	.431	-.310
250	321	.127	.118	.637	-.265
250	322	-.011	.090	.295	-.333
250	323	.097	.105	.596	-.222
250	324	.140	.136	.807	-.287
250	325	.209	.133	.836	-.217
250	326	.009	.097	.387	-.326
250	401	-.364	.168	.361	-1.052
250	402	-.341	.208	.191	-1.255
250	403	-.051	.100	.327	-.841
250	404	-.057	.103	.281	-.448
250	405	-.056	.097	.278	-.491
250	406	-.232	.106	.148	-.742
250	407	-.206	.100	.164	-.709
250	408	-.238	.199	.368	-.990
250	409	-.127	.239	.495	-.895
250	410	-.107	.242	.439	-.859
250	411	-.031	.129	.406	-.640
250	412	-.023	.102	.338	-.431
250	413	-.007	.099	.357	-.375
250	414	-.144	.098	.233	-.479
250	415	-.190	.090	.133	-.510
250	416	-.241	.101	.037	-.594
250	417	-.141	.200	.605	-.887
250	418	-.138	.256	.556	-.954
250	419	-.030	.129	.473	-.572
250	420	-.038	.105	.403	-.480
250	421	-.084	.097	.294	-.566
250	422	-.290	.104	.039	-.781
250	423	-.266	.098	.049	-.643
250	424	-.138	.202	.468	-.881
250	425	.006	.195	.489	-.971
250	426	-.010	.164	.474	-.770
250	427	-.022	.107	.372	-.480
250	428	-.045	.098	.281	-.421
250	429	-.030	.094	.346	-.384
250	430	-.180	.099	.160	-.544
250	431	-.252	.101	.068	-.627
250	432	-.305	.110	.034	-.637
250	433	-.038	.164	.520	-.643
250	434	.005	.122	.435	-.370
250	435	.002	.107	.408	-.326
250	436	-.061	.093	.248	-.416
250	437	-.108	.089	.202	-.409
250	438	-.332	.105	.036	-.737
250	439	-.336	.105	-.016	-.823
250	440	-.110	.131	.250	-.756
250	441	.020	.087	.297	-.428
250	442	-.034	.089	.255	-.385
250	443	-.027	.079	.251	-.346
250	444	-.050	.085	.309	-.332
250	445	-.024	.083	.332	-.310
250	446	-.146	.090	.247	-.440
250	447	-.227	.101	.191	-.641
250	448	-.322	.114	.038	-.747
250	449	-.115	.124	.284	-.626
250	450	-.063	.092	.331	-.383
250	451	-.021	.087	.340	-.325
250	452	-.025	.087	.292	-.347
250	453	.015	.089	.378	-.312
250	454	-.202	.149	.269	-1.031
250	455	.021	.086	.322	-.258
250	456	.619	.066	.829	.389
250	457	-.020	.091	.262	-.383
250	458	-.062	.092	.232	-.412
250	459	-.043	.091	.269	-.371
250	460	-.004	.088	.322	-.303
250	461	-.019	.085	.303	-.285
250	501	-.315	.109	.090	-.765
250	502	-.258	.102	.118	-.671
250	503	-.266	.107	.071	-.686
250	504	-.278	.119	.080	-.749
250	505	-.285	.135	.158	-.877
250	506	-.309	.169	.238	-1.329
250	507	-.315	.183	.233	-1.211
250	508	-.293	.162	.188	-.985
250	509	-.253	.114	.137	-.818
250	510	-.267	.115	.124	-.832
250	511	-.261	.101	.084	-.646
250	512	-.275	.103	.056	-.700
250	513	-.282	.104	.092	-.743
250	514	-.280	.108	.088	-.758
250	515	-.315	.132	.059	-.991
250	516	-.324	.142	.242	-1.066
250	517	-.274	.099	.052	-.616
250	518	-.284	.100	.048	-.631
250	519	-.300	.096	-.002	-.653
250	520	-.312	.100	.004	-.671
250	521	-.313	.102	-.018	-.689
250	522	-.321	.105	.012	-.808
250	523	-.319	.123	.079	-.737
250	524	-.328	.133	.082	-.855
250	525	-.342	.110	.007	-.731
250	526	-.348	.111	.010	-.753
250	527	-.358	.122	-.010	-.762
250	528	-.363	.123	.017	-.855
250	529	-.364	.127	-.025	-.845
250	530	-.356	.128	-.012	-.854
250	531	-.329	.114	.097	-.916
250	532	-.331	.123	.138	-.972
250	533	-.416	.119	-.039	-.847
250	534	-.423	.120	-.039	-.864
250	535	-.424	.125	.008	-.939
250	536	-.410	.124	.002	-.914
250	537	-.339	.132	.053	-.854
250	538	-.263	.132	.155	-.740
250	539	-.223	.112	.130	-.680
250	540	-.227	.120	.132	-.778
250	541	-.492	.167	-.028	-1.149

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	542	-.510	.178	-.025	-1.334
250	543	-.358	.159	.121	-1.062
250	544	-.214	.121	.217	-.767
250	545	-.155	.097	.170	-.569
250	546	-.127	.095	.204	-.516
250	547	-.118	.092	.209	-.446
250	548	-.116	.096	.216	-.463
250	549	-.278	.133	.053	-.770
250	550	-.283	.134	.083	-1.171
250	551	-.208	.096	.089	-.578
250	552	-.125	.089	.184	-.472
250	553	-.092	.091	.239	-.404
250	554	-.125	.096	.209	-.484
250	555	-.153	.091	.163	-.482
250	556	-.120	.091	.185	-.429
250	557	-.119	.091	.176	-.424
250	558	-.112	.091	.175	-.415
250	559	-.100	.090	.257	-.401
250	560	-.094	.090	.276	-.394
250	601	-.244	.110	.085	-.699
250	602	-.202	.101	.087	-.558
250	603	-.203	.107	.132	-.573
250	604	-.278	.109	.072	-.685
250	605	-.220	.091	.107	-.563
250	606	-.247	.101	.075	-.656
250	607	-.257	.106	.112	-.603
250	608	-.294	.106	.054	-.675
250	609	-.281	.110	.086	-.719
250	610	-.328	.124	.080	-.869
250	611	-.309	.120	.110	-.785
250	612	-.382	.131	.025	-1.132
250	613	-.244	.146	.226	-.848
250	614	-.258	.125	.105	-.772
250	615	-.256	.130	.101	-.736
250	616	-.191	.107	.170	-.997
250	617	-.128	.091	.186	-.504
250	618	-.143	.095	.171	-.604
250	619	-.119	.084	.160	-.494
250	620	-.195	.090	.087	-.604
250	621	-.126	.084	.133	-.511
250	622	-.139	.088	.170	-.410
250	623	-.105	.085	.200	-.370
250	624	-.161	.093	.150	-1.098
250	625	-.104	.090	.197	-.505
250	626	-.116	.088	.187	-.455
250	801	-.114	.113	.316	-.571
250	802	-.223	.115	.164	-.785
250	803	-.090	.083	.248	-.421
250	804	-.132	.081	.154	-.436
250	805	-.112	.080	.184	-.379

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	901	-.206	.126	.196	-.640
250	902	-.263	.134	.237	-.696
250	903	-.695	.163	-.234	-1.784
250	904	-.393	.134	.002	-.927
250	905	.033	.118	.520	-.456
250	906	-.593	.186	.088	-1.146
250	907	-.111	.106	.255	-.537
250	908	-.063	.099	.287	-.391
250	909	-.178	.138	.186	-.745
250	910	-.273	.107	.100	-.645
250	911	.049	.121	.576	-.581
250	912	-.077	.102	.266	-.396
250	913	-.116	.113	.264	-.548
250	914	-.033	.156	.480	-.526
250	915	-.144	.127	.359	-.609
250	916	-.393	.177	.117	-1.213
250	917	-.308	.125	.129	-.874
250	918	-.221	.109	.140	-.666
250	919	-.193	.082	.113	-.440
250	920	-.152	.088	.182	-.473
250	1001	-.106	.080	.162	-.398
250	1002	-.133	.082	.152	-.427
250	1003	-.168	.091	.111	-.500
250	1004	-.167	.091	.119	-.485
250	1005	-.231	.095	.127	-.566
250	1006	-.295	.103	.046	-.692
250	1007	-.078	.083	.190	-.386
250	1008	-.096	.080	.159	-.398
250	1009	-.111	.088	.167	-.457
250	1010	-.121	.088	.146	-.498
250	1011	-.146	.086	.177	-.458
250	1012	-.173	.091	.182	-.509
250	1013	-.263	.099	.067	-.694
250	1014	-.099	.113	.429	-.869
250	1015	-.144	.101	.180	-.540
250	1016	-.114	.080	.158	-.391
250	1017	-.144	.092	.181	-.533
250	1018	-.132	.082	.156	-.410
250	1019	-.121	.084	.182	-.393
250	1020	-.037	.105	.384	-.376
250	1021	-.045	.086	.289	-.311
250	1022	-.110	.086	.191	-.412
250	1023	-.144	.081	.135	-.459
250	1024	-.007	.097	.438	-.351
250	1101	-.167	.097	.152	-.502
250	1102	-.160	.102	.118	-.607
250	1103	-.149	.098	.135	-.550
250	1104	-.024	.093	.302	-.366
250	1105	-.013	.100	.418	-.335
250	1106	.037	.103	.417	-.265

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	1107	-.082	.096	.268	-.422
250	1108	-.095	.098	.229	-.481
250	1109	-.136	.102	.205	-.545
250	1201	-.088	.083	.147	-.374
250	1202	-.080	.085	.163	-.374
250	1203	-.148	.089	.108	-.453
250	1204	-.053	.094	.287	-.450
250	1205	-.020	.091	.312	-.406
250	1206	.009	.085	.336	-.272
250	1207	.004	.090	.290	-.347
250	1208	-.017	.086	.237	-.305
250	1209	-.020	.085	.246	-.305
260	101	-.287	.134	.133	-1.106
260	102	-.272	.122	.178	-.833
260	103	-.270	.122	.169	-.878
260	104	-.278	.119	.081	-.883
260	105	-.374	.124	.007	-1.049
260	106	-.276	.109	.080	-.929
260	107	-.317	.116	.057	-.773
260	108	-.297	.123	.064	-1.030
260	109	-.274	.126	.087	-1.101
260	110	-.366	.129	.108	-.959
260	111	-.296	.113	.108	-.691
260	112	-.306	.116	.056	-.762
260	113	-.305	.118	.070	-.827
260	114	-.373	.125	.041	-.878
260	115	-.297	.114	.077	-.806
260	116	-.281	.120	.077	-.692
260	117	-.362	.151	.126	-1.156
260	118	-.420	.142	.071	-1.023
260	119	-.349	.130	.062	-.970
260	120	-.361	.130	.100	-.953
260	121	-.342	.121	.042	-.923
260	122	-.411	.125	.007	-1.000
260	123	-.345	.116	.012	-.917
260	124	-.314	.114	.036	-.771
260	125	-.295	.112	.056	-.735
260	126	-.475	.173	.174	-1.386
260	127	-.408	.150	.013	-1.158
260	128	-.424	.151	.051	-1.013
260	129	-.423	.144	.019	-1.001
260	130	-.501	.148	-.036	-1.204
260	131	-.433	.142	-.009	-1.094
260	132	-.398	.131	-.011	-.949
260	133	-.229	.150	.178	-.835
260	134	-.311	.166	.249	-1.045
260	135	-.270	.160	.285	-.891
260	136	-.325	.183	.201	-.970
260	137	-.366	.184	.208	-1.122
260	138	-.461	.178	.126	-1.142

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	139	-.441	.176	.203	-1.188
260	140	-.423	.152	.100	-1.480
260	141	-.421	.148	-.020	-1.432
260	142	-.140	.106	.208	-.536
260	143	-.129	.109	.217	-.577
260	144	-.147	.127	.277	-.817
260	145	-.171	.150	.225	-1.093
260	146	-.314	.198	.160	-1.509
260	147	-.398	.210	.114	-1.515
260	148	-.431	.184	.145	-1.310
260	149	-.087	.091	.238	-.393
260	150	-.137	.096	.211	-.456
260	151	-.080	.096	.279	-.391
260	152	-.062	.102	.306	-.444
260	153	-.046	.110	.346	-.389
260	154	-.112	.126	.464	-.531
260	155	-.077	.126	.431	-.630
260	156	-.146	.125	.289	-.828
260	157	-.197	.140	.183	-.889
260	201	-.279	.119	.174	-.753
260	202	-.146	.108	.303	-.523
260	203	-.057	.105	.346	-.415
260	204	-.009	.109	.343	-.392
260	205	-.018	.123	.368	-.473
260	206	.039	.129	.584	-.482
260	207	.197	.164	.688	-.823
260	208	.252	.218	.832	-.826
260	209	-.273	.107	.051	-.757
260	210	-.153	.100	.199	-.542
260	211	-.006	.106	.335	-.452
260	212	.097	.111	.462	-.369
260	213	.132	.127	.513	-.335
260	214	.261	.138	.685	-.184
260	215	.373	.202	.951	-.722
260	216	.389	.233	.998	-.653
260	217	-.313	.104	.086	-.750
260	218	-.181	.097	.193	-.529
260	219	-.036	.103	.322	-.470
260	220	.091	.115	.497	-.355
260	221	.141	.138	.605	-.289
260	222	.278	.158	.794	-.392
260	223	.339	.211	.937	-.610
260	224	.342	.244	.973	-.514
260	225	-.384	.121	-.016	-.836
260	226	-.238	.107	.113	-.600
260	227	-.059	.100	.309	-.376
260	228	.057	.105	.410	-.281
260	229	.071	.121	.537	-.287
260	230	.161	.138	.761	-.404
260	231	.105	.267	.739	-.916
260	232	.071	.286	.855	-1.043
260	233	-.425	.132	.009	-.851
260	234	-.202	.120	.422	-.668
260	235	-.092	.119	.463	-.604
260	236	-.014	.112	.507	-.400
260	237	-.062	.116	.401	-.787
260	238	-.062	.155	.409	-.911
260	239	-.209	.223	.335	-1.145
260	240	-.208	.209	.351	-1.041
260	241	-.348	.145	.101	-1.075
260	242	-.210	.123	.193	-.753
260	243	-.096	.107	.312	-.439
260	244	-.048	.104	.336	-.630
260	245	-.119	.117	.258	-.545
260	246	-.126	.146	.295	-.692
260	247	-.206	.178	.335	-1.192
260	248	-.198	.172	.326	-.997
260	249	-.063	.123	.388	-.568
260	250	-.047	.121	.467	-.661
260	251	-.130	.150	.350	-.839
260	252	-.090	.123	.493	-.505
260	253	-.100	.132	.443	-.496
260	254	.008	.135	.608	-.354
260	255	.007	.139	.728	-.338
260	256	.027	.135	.810	-.305
260	257	-.054	.137	.787	-.421
260	258	-.006	.138	.892	-.340
260	259	-.016	.130	.528	-.627
260	260	-.012	.131	.581	-.507
260	261	-.098	.131	.454	-.707
260	262	-.077	.144	.530	-.748
260	263	-.107	.157	.506	-.896
260	264	-.190	.201	.344	-1.178
260	265	-.288	.213	.292	-1.453
260	301	.337	.205	.929	-.703
260	302	.109	.166	.643	-.519
260	303	-.164	.143	.387	-.896
260	304	.438	.219	1.048	-.903
260	305	.289	.161	.896	-.564
260	306	-.295	.166	.315	-.878
260	307	.384	.225	1.168	-.603
260	308	.260	.161	.813	-.216
260	309	-.235	.164	.379	-.737
260	310	.325	.217	.906	-.543
260	311	.253	.177	.894	-.624
260	312	-.169	.176	.357	-.832
260	313	.105	.178	.690	-.925
260	314	.172	.202	.896	-.625
260	315	-.109	.167	.382	-1.248
260	316	.120	.153	.701	-.540
260	317	.194	.157	1.032	-.381
260	318	-.040	.124	.618	-.511
260	319	-.119	.093	.201	-.449
260	320	.069	.104	.408	-.247
260	321	.173	.120	.699	-.220
260	322	.004	.097	.400	-.333
260	323	.123	.109	.525	-.227
260	324	.198	.139	.803	-.263
260	325	.256	.145	.893	-.156
260	326	-.007	.111	.634	-.314
260	401	-.576	.188	.028	-1.373
260	402	-.628	.235	.085	-1.663
260	403	-.119	.141	.270	-.781
260	404	-.119	.096	.196	-.576
260	405	-.109	.086	.171	-.411
260	406	-.237	.097	.098	-.563
260	407	-.198	.093	.077	-.520
260	408	-.514	.171	.101	-1.105
260	409	-.466	.196	.353	-1.093
260	410	-.481	.232	.404	-1.176
260	411	-.220	.222	.287	-.967
260	412	-.143	.127	.204	-.760
260	413	-.093	.107	.228	-.542
260	414	-.189	.101	.134	-.607
260	415	-.201	.095	.149	-.556
260	416	-.224	.092	.048	-.594
260	417	-.434	.156	.071	-1.048
260	418	-.527	.186	.190	-1.166
260	419	-.231	.211	.253	-.892
260	420	-.167	.145	.211	-.983
260	421	-.147	.107	.175	-.993
260	422	-.324	.103	.028	-.861
260	423	-.252	.099	.069	-.644
260	424	-.449	.192	.324	-1.408
260	425	-.331	.231	.376	-1.325
260	426	-.321	.218	.312	-1.039
260	427	-.121	.158	.252	-1.000
260	428	-.139	.107	.161	-.777
260	429	-.104	.094	.193	-.652
260	430	-.254	.097	.038	-.734
260	431	-.268	.100	.066	-.615
260	432	-.293	.104	.017	-.675
260	433	-.175	.174	.321	-1.060
260	434	-.151	.137	.238	-.961
260	435	-.078	.098	.209	-.648
260	436	-.127	.088	.185	-.464
260	437	-.150	.086	.158	-.494
260	438	-.396	.108	-.042	-.815
260	439	-.338	.113	-.005	-.808
260	440	-.162	.139	.312	-.666

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	441	-.025	.093	.292	-.331
260	442	-.139	.096	.191	-.480
260	443	-.070	.087	.211	-.371
260	444	-.093	.087	.210	-.379
260	445	-.059	.084	.228	-.306
260	446	-.255	.089	.048	-.534
260	447	-.234	.099	.054	-.548
260	448	-.317	.123	.012	-.883
260	449	-.160	.123	.231	-.736
260	450	-.150	.092	.149	-.500
260	451	-.042	.085	.244	-.351
260	452	-.046	.083	.235	-.370
260	453	.021	.090	.331	-.284
260	454	-.304	.131	.096	-.803
260	455	-.003	.083	.269	-.286
260	456	.595	.061	.827	.397
260	457	-.034	.086	.273	-.323
260	458	-.131	.086	.158	-.412
260	459	-.057	.084	.220	-.334
260	460	-.020	.078	.250	-.337
260	461	-.022	.075	.233	-.339
260	501	-.341	.101	.012	-.715
260	502	-.213	.095	.121	-.542
260	503	-.213	.098	.109	-.582
260	504	-.218	.110	.134	-.763
260	505	-.217	.120	.194	-.832
260	506	-.247	.160	.246	-1.287
260	507	-.262	.154	.218	-1.187
260	508	-.258	.137	.148	-.941
260	509	-.199	.091	.116	-.542
260	510	-.214	.092	.122	-.555
260	511	-.220	.100	.108	-.605
260	512	-.223	.099	.097	-.631
260	513	-.219	.098	.094	-.611
260	514	-.240	.105	.127	-.669
260	515	-.251	.106	.061	-.722
260	516	-.256	.115	.056	-.924
260	517	-.229	.098	.078	-.575
260	518	-.245	.100	.084	-.651
260	519	-.253	.095	.091	-.609
260	520	-.259	.097	.111	-.598
260	521	-.254	.098	.095	-.569
260	522	-.265	.100	.087	-.660
260	523	-.260	.114	.073	-.870
260	524	-.266	.119	.057	-1.162
260	525	-.286	.110	.057	-.822
260	526	-.304	.112	.044	-.862
260	527	-.281	.106	.024	-.659
260	528	-.282	.104	.063	-.657
260	529	-.270	.107	.080	-.674
260	530	-.266	.107	.054	-.694
260	531	-.279	.113	.176	-.665
260	532	-.283	.119	.194	-.701
260	533	-.345	.119	.038	-.807
260	534	-.362	.121	.024	-.830
260	535	-.384	.126	.004	-.932
260	536	-.372	.123	.018	-.850
260	537	-.297	.120	.083	-.865
260	538	-.245	.114	.164	-.694
260	539	-.188	.112	.155	-.585
260	540	-.188	.122	.239	-.645
260	541	-.422	.166	.012	-1.088
260	542	-.450	.178	.010	-1.213
260	543	-.320	.133	.073	-.807
260	544	-.209	.112	.136	-.613
260	545	-.155	.093	.171	-.557
260	546	-.123	.096	.338	-.447
260	547	-.111	.093	.208	-.516
260	548	-.112	.099	.209	-.541
260	549	-.257	.111	.091	-.723
260	550	-.294	.118	.098	-1.100
260	551	-.232	.099	.117	-.618
260	552	-.123	.092	.204	-.446
260	553	-.097	.092	.258	-.432
260	554	-.135	.098	.222	-.556
260	555	-.148	.085	.158	-.455
260	556	-.117	.085	.187	-.408
260	557	-.112	.083	.189	-.413
260	558	-.110	.083	.203	-.393
260	559	-.101	.086	.223	-.375
260	560	-.096	.087	.184	-.388
260	601	-.279	.137	.141	-1.006
260	602	-.240	.110	.110	-.712
260	603	-.239	.117	.132	-1.018
260	604	-.329	.112	.071	-.808
260	605	-.253	.100	.130	-.623
260	606	-.289	.115	.109	-1.017
260	607	-.285	.128	.135	-.941
260	608	-.366	.122	.077	-.952
260	609	-.347	.135	.057	-.958
260	610	-.345	.145	.148	-1.207
260	611	-.326	.138	.119	-1.025
260	612	-.452	.158	.017	-1.191
260	613	-.259	.154	.176	-1.153
260	614	-.225	.133	.172	-.942
260	615	-.211	.145	.215	-.955
260	616	-.166	.116	.213	-.817
260	617	-.127	.101	.210	-.735
260	618	-.148	.105	.201	-.686
260	619	-.122	.083	.198	-.410
260	620	-.178	.088	.149	-.490
260	621	-.132	.083	.176	-.410
260	622	-.139	.084	.169	-.446
260	623	-.102	.081	.193	-.379
260	624	-.135	.095	.184	-.454
260	625	-.109	.093	.197	-.611
260	626	-.126	.095	.174	-.602
260	801	-.146	.118	.287	-.593
260	802	-.248	.122	.109	-.752
260	803	-.106	.083	.134	-.399
260	804	-.148	.092	.134	-.495
260	805	-.123	.091	.151	-.455
260	901	-.103	.112	.256	-.624
260	902	-.130	.135	.257	-.813
260	903	-1.052	.292	-.287	-2.211
260	904	-.531	.141	-.104	-1.449
260	905	-.032	.207	.455	-1.067
260	906	-.820	.197	-.189	-1.590
260	907	-.086	.104	.256	-.520
260	908	-.118	.159	.272	-.849
260	909	-.438	.178	.143	-1.004
260	910	-.399	.126	.007	-.864
260	911	-.009	.170	.556	-.621
260	912	-.084	.116	.322	-.472
260	913	-.214	.130	.314	-.675
260	914	-.268	.136	.289	-.778
260	915	-.310	.149	.143	-1.224
260	916	-.455	.170	-.005	-1.360
260	917	-.331	.127	.135	-.781
260	918	-.287	.122	.146	-.842
260	919	-.215	.090	.127	-.532
260	920	-.187	.091	.121	-.484
260	1001	-.116	.089	.180	-.447
260	1002	-.143	.096	.158	-.504
260	1003	-.177	.103	.212	-.537
260	1004	-.181	.103	.154	-.533
260	1005	-.262	.105	.040	-.664
260	1006	-.320	.114	-.007	-.748
260	1007	-.100	.087	.237	-.359
260	1008	-.119	.084	.208	-.401
260	1009	-.129	.094	.204	-.536
260	1010	-.144	.094	.164	-.522
260	1011	-.155	.094	.153	-.473
260	1012	-.184	.107	.124	-.658
260	1013	-.270	.113	.118	-.732
260	1014	-.112	.130	.468	-.653
260	1015	-.189	.108	.160	-.598
260	1016	-.141	.086	.188	-.451
260	1017	-.154	.098	.186	-.505
260	1018	-.139	.086	.161	-.439

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	1019	-.137	.093	.162	-.514
260	1020	-.030	.124	.454	-.425
260	1021	-.056	.095	.254	-.439
260	1022	-.123	.098	.180	-.522
260	1023	-.156	.092	.178	-.468
260	1024	-.001	.108	.394	-.346
260	1101	-.174	.095	.178	-.495
260	1102	-.168	.098	.144	-.548
260	1103	-.155	.090	.166	-.469
260	1104	-.029	.086	.294	-.324
260	1105	-.013	.088	.308	-.279
260	1106	.044	.090	.409	-.222
260	1107	-.155	.122	.185	-.692
260	1108	-.161	.118	.208	-.812
260	1109	-.208	.121	.169	-.773
260	1201	-.094	.078	.223	-.349
260	1202	-.085	.080	.242	-.345
260	1203	-.155	.085	.186	-.412
260	1204	-.057	.087	.279	-.333
260	1205	-.025	.085	.302	-.286
260	1206	.009	.077	.343	-.228
260	1207	-.031	.095	.282	-.362
260	1208	-.043	.092	.276	-.364
260	1209	-.030	.088	.262	-.379
270	101	-.278	.147	.197	-.870
270	102	-.262	.148	.337	-.844
270	103	-.280	.166	.389	-1.327
270	104	-.281	.152	.202	-1.110
270	105	-.428	.161	.134	-1.040
270	106	-.401	.157	.300	-1.007
270	107	-.462	.160	.085	-1.229
270	108	-.499	.172	-.052	-1.322
270	109	-.495	.197	-.041	-1.649
270	110	-.344	.159	.189	-1.109
270	111	-.296	.144	.215	-.896
270	112	-.334	.146	.306	-.882
270	113	-.408	.147	.229	-.946
270	114	-.533	.162	-.007	-1.145
270	115	-.467	.158	-.013	-1.129
270	116	-.426	.156	.103	-.934
270	117	-.329	.179	.139	-1.356
270	118	-.394	.164	.107	-1.005
270	119	-.339	.150	.172	-.892
270	120	-.387	.162	.260	-1.088
270	121	-.425	.150	.072	-1.207
270	122	-.504	.150	-.032	-1.265
270	123	-.451	.145	.016	-1.160
270	124	-.421	.152	.025	-.983
270	125	-.399	.148	.065	-.870
270	126	-.347	.175	.181	-1.647
270	127	-.302	.162	.188	-1.062
270	128	-.336	.178	.173	-1.074
270	129	-.393	.182	.097	-1.259
270	130	-.543	.192	.026	-1.878
270	131	-.514	.182	-.028	-1.640
270	132	-.492	.163	-.000	-1.192
270	133	-.149	.120	.211	-.772
270	134	-.217	.134	.168	-.924
270	135	-.170	.134	.277	-.829
270	136	-.197	.156	.272	-1.052
270	137	-.256	.185	.267	-1.045
270	138	-.380	.198	.204	-1.203
270	139	-.405	.214	.180	-1.523
270	140	-.508	.183	.087	-1.253
270	141	-.514	.171	-.002	-1.182
270	142	-.142	.091	.250	-.530
270	143	-.116	.090	.232	-.608
270	144	-.105	.096	.326	-.576
270	145	-.096	.106	.215	-.781
270	146	-.195	.148	.301	-1.102
270	147	-.317	.189	.188	-1.163
270	148	-.401	.178	.109	-1.284
270	149	-.072	.089	.231	-.373
270	150	-.119	.093	.205	-.425
270	151	-.057	.089	.265	-.344
270	152	-.028	.101	.559	-.359
270	153	.007	.104	.494	-.359
270	154	-.035	.116	.494	-.451
270	155	.008	.111	.438	-.378
270	156	-.056	.109	.384	-.587
270	157	-.136	.130	.292	-.733
270	201	-.366	.128	.050	-.790
270	202	-.186	.106	.175	-.533
270	203	-.062	.108	.309	-.432
270	204	.011	.110	.424	-.377
270	205	.014	.129	.505	-.443
270	206	.118	.137	.526	-.369
270	207	.304	.176	.905	-.223
270	208	.392	.190	.975	-.395
270	209	-.375	.131	-.021	-.890
270	210	-.183	.114	.193	-.589
270	211	.055	.128	.493	-.323
270	212	.212	.135	.639	-.209
270	213	.267	.157	.765	-.211
270	214	.430	.164	.895	-.101
270	215	.538	.173	1.107	-.047
270	216	.542	.181	1.216	-.044
270	217	-.399	.131	-.025	-.813
270	218	-.187	.109	.132	-.541
270	219	.035	.111	.573	-.325
270	220	.195	.121	.783	-.293
270	221	.247	.144	.973	-.151
270	222	.393	.155	1.037	-.036
270	223	.473	.184	1.182	-.109
270	224	.460	.190	1.198	-.594
270	225	-.443	.156	.012	-1.030
270	226	-.220	.131	.162	-.705
270	227	.030	.117	.545	-.360
270	228	.175	.121	.638	-.165
270	229	.188	.139	.688	-.209
270	230	.296	.148	.808	-.178
270	231	.314	.161	.817	-.557
270	232	.299	.170	.866	-.475
270	233	-.427	.145	.024	-.991
270	234	-.146	.121	.266	-.760
270	235	.018	.119	.470	-.415
270	236	.112	.127	.545	-.313
270	237	.042	.143	.544	-.526
270	238	.063	.135	.636	-.452
270	239	-.011	.144	.529	-.782
270	240	-.050	.153	.557	-.744
270	241	-.301	.137	.158	-.853
270	242	-.118	.122	.292	-.610
270	243	.005	.115	.481	-.426
270	244	.052	.110	.589	-.293
270	245	-.044	.117	.500	-.448
270	246	-.006	.113	.720	-.629
270	247	-.040	.127	.431	-.796
270	248	-.050	.131	.434	-.740
270	249	.083	.149	.616	-.842
270	250	.127	.141	.718	-.520
270	251	.068	.129	.496	-.658
270	252	.004	.110	.531	-.322
270	253	-.008	.124	.564	-.383
270	254	.136	.130	.736	-.264
270	255	.187	.149	.776	-.349
270	256	.215	.150	.766	-.468
270	257	.124	.150	.718	-.375
270	258	.203	.158	1.024	-.248
270	259	.167	.136	.741	-.364
270	260	.192	.135	.798	-.212
270	261	.088	.142	.786	-.407
270	262	.107	.131	.686	-.419
270	263	.154	.154	1.232	-.429
270	264	.070	.140	.572	-.839
270	265	-.040	.152	.589	-1.085
270	301	-.028	.358	.763	-1.404
270	302	-.076	.150	.432	-.942
270	303	-.398	.144	.110	-1.041
270	304	-.013	.368	.938	-1.413

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	305	.075	.187	.626	-1.179
270	306	-.524	.152	.004	-1.247
270	307	-.006	.401	1.045	-1.434
270	308	.054	.231	.749	-1.437
270	309	-.413	.144	.152	-.860
270	310	-.072	.409	.931	-1.518
270	311	-.018	.247	.759	-1.393
270	312	-.420	.180	.304	-1.161
270	313	-.322	.321	.483	-1.962
270	314	-.205	.241	.529	-1.309
270	315	-.430	.221	.328	-1.332
270	316	-.102	.215	.745	-.987
270	317	-.046	.215	.891	-.898
270	318	-.163	.152	.588	-.947
270	319	-.120	.091	.175	-.446
270	320	.011	.107	.401	-.303
270	321	.062	.128	.499	-.299
270	322	-.031	.094	.358	-.325
270	323	.068	.109	.491	-.306
270	324	.070	.177	.651	-.737
270	325	.068	.196	.740	-.831
270	326	-.057	.119	.377	-1.277
270	401	-.791	.246	-.227	-2.057
270	402	-.791	.229	-.188	-1.712
270	403	-.357	.169	.130	-.975
270	404	-.222	.122	.153	-.752
270	405	-.191	.105	.154	-.562
270	406	-.226	.108	.125	-.695
270	407	-.188	.094	.154	-.619
270	408	-.617	.155	-.115	-1.140
270	409	-.629	.153	-.130	-1.161
270	410	-.626	.155	-.150	-1.189
270	411	-.572	.183	.096	-1.202
270	412	-.386	.179	.096	-.991
270	413	-.280	.145	.223	-.789
270	414	-.251	.134	.264	-.813
270	415	-.219	.109	.266	-.708
270	416	-.222	.110	.153	-.857
270	417	-.560	.148	-.144	-1.169
270	418	-.577	.152	-.133	-1.200
270	419	-.514	.170	.105	-1.114
270	420	-.389	.188	.191	-1.027
270	421	-.292	.171	.211	-1.008
270	422	-.257	.142	.212	-.865
270	423	-.245	.135	.237	-1.040
270	424	-.648	.195	.053	-1.581
270	425	-.620	.209	.077	-1.561
270	426	-.555	.205	.062	-1.212
270	427	-.446	.237	.176	-1.326
270	428	-.315	.193	.151	-1.087
270	429	-.261	.162	.175	-.876
270	430	-.263	.155	.248	-1.035
270	431	-.282	.134	.307	-.930
270	432	-.278	.120	.050	-1.005
270	433	-.418	.225	.125	-1.629
270	434	-.329	.215	.116	-1.434
270	435	-.214	.145	.181	-1.047
270	436	-.187	.118	.125	-.941
270	437	-.192	.099	.102	-.786
270	438	-.261	.103	.053	-.762
270	439	-.288	.108	.030	-.801
270	440	-.192	.121	.258	-.701
270	441	-.126	.102	.208	-.835
270	442	-.113	.096	.267	-.534
270	443	-.123	.089	.180	-.559
270	444	-.132	.088	.140	-.435
270	445	-.123	.085	.152	-.415
270	446	-.147	.084	.108	-.427
270	447	-.208	.091	.076	-.551
270	448	-.269	.101	.054	-.628
270	449	-.197	.130	.357	-.712
270	450	-.083	.089	.272	-.416
270	451	-.077	.086	.230	-.417
270	452	-.070	.088	.204	-.444
270	453	-.014	.092	.419	-.347
270	454	-.158	.132	.407	-.619
270	455	-.042	.093	.257	-.396
270	456	.550	.066	.758	.324
270	457	-.092	.092	.214	-.396
270	458	-.079	.088	.222	-.359
270	459	-.085	.089	.250	-.385
270	460	-.039	.084	.255	-.334
270	461	-.055	.081	.184	-.327
270	501	-.200	.099	.158	-.738
270	502	-.198	.097	.117	-.616
270	503	-.209	.108	.145	-.684
270	504	-.215	.128	.171	-1.215
270	505	-.226	.151	.237	-1.177
270	506	-.236	.160	.212	-1.394
270	507	-.223	.139	.157	-1.268
270	508	-.225	.133	.147	-1.058
270	509	-.200	.107	.108	-.690
270	510	-.215	.111	.122	-.775
270	511	-.238	.119	.160	-.739
270	512	-.237	.107	.092	-.679
270	513	-.226	.101	.070	-.731
270	514	-.235	.107	.093	-.675
270	515	-.217	.107	.110	-.656
270	516	-.220	.113	.101	-.644
270	517	-.239	.137	.170	-.825
270	518	-.247	.133	.142	-.777
270	519	-.226	.111	.164	-.624
270	520	-.225	.105	.112	-.690
270	521	-.205	.100	.115	-.607
270	522	-.203	.098	.135	-.634
270	523	-.208	.105	.126	-.732
270	524	-.212	.109	.145	-.682
270	525	-.287	.134	.142	-.857
270	526	-.303	.137	.144	-.934
270	527	-.301	.127	.105	-.829
270	528	-.293	.121	.067	-.791
270	529	-.249	.115	.085	-.744
270	530	-.226	.105	.122	-.689
270	531	-.221	.107	.136	-.777
270	532	-.224	.116	.153	-.777
270	533	-.341	.145	.065	-1.060
270	534	-.361	.149	.063	-1.086
270	535	-.365	.145	.065	-1.032
270	536	-.301	.132	.068	-.894
270	537	-.204	.105	.154	-.627
270	538	-.174	.097	.231	-.563
270	539	-.156	.095	.158	-.489
270	540	-.153	.103	.168	-.510
270	541	-.345	.141	.033	-1.045
270	542	-.372	.151	.008	-1.110
270	543	-.263	.127	.146	-1.013
270	544	-.187	.105	.156	-.667
270	545	-.138	.090	.147	-.500
270	546	-.116	.091	.221	-.470
270	547	-.126	.085	.158	-.428
270	548	-.128	.090	.177	-.451
270	549	-.231	.117	.115	-.777
270	550	-.260	.123	.075	-.968
270	551	-.204	.098	.117	-.621
270	552	-.125	.090	.178	-.483
270	553	-.088	.096	.281	-.469
270	554	-.127	.101	.198	-.608
270	555	-.132	.091	.172	-.443
270	556	-.113	.089	.174	-.433
270	557	-.101	.088	.196	-.425
270	558	-.114	.089	.183	-.427
270	559	-.112	.088	.186	-.429
270	560	-.108	.089	.191	-.429
270	601	-.270	.137	.148	-.992
270	602	-.253	.139	.133	-.800
270	603	-.263	.154	.191	-.919
270	604	-.335	.137	.050	-1.069
270	605	-.249	.112	.077	-.722
270	606	-.270	.134	.210	-.827
270	607	-.249	.136	.125	-.851

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	608	-.349	.137	.065	-1.191
270	609	-.308	.156	.167	-.966
270	610	-.270	.158	.146	-.987
270	611	-.241	.149	.222	-.828
270	612	-.379	.175	.146	-1.175
270	613	-.201	.135	.206	-.882
270	614	-.156	.092	.161	-.632
270	615	-.158	.100	.137	-.677
270	616	-.135	.091	.161	-.720
270	617	-.128	.085	.170	-.486
270	618	-.131	.088	.143	-.603
270	619	-.126	.081	.148	-.382
270	620	-.123	.082	.138	-.408
270	621	-.121	.079	.151	-.378
270	622	-.124	.080	.146	-.424
270	623	-.115	.080	.149	-.420
270	624	-.118	.088	.155	-.478
270	625	-.124	.089	.149	-.495
270	626	-.131	.088	.182	-.529
270	801	-.116	.111	.266	-.674
270	802	-.207	.106	.147	-.717
270	803	-.104	.081	.191	-.425
270	804	-.136	.088	.155	-.467
270	805	-.111	.088	.168	-.438
270	901	-.071	.104	.396	-.461
270	902	-.135	.111	.263	-.630
270	903	-1.105	.274	-.091	-2.274
270	904	-.621	.215	-.021	-1.671
270	905	-.462	.255	.328	-1.361
270	906	-.784	.186	-.250	-1.555
270	907	-.161	.129	.265	-.655
270	908	-.414	.172	.108	-1.151
270	909	-.548	.144	.003	-1.029
270	910	-.503	.138	-.047	-1.072
270	911	-.306	.166	.322	-1.037
270	912	-.150	.122	.266	-.577
270	913	-.190	.132	.251	-.789
270	914	-.393	.136	.155	-.916
270	915	-.505	.141	-.061	-1.149
270	916	-.324	.147	.071	-1.133
270	917	-.278	.124	.101	-.778
270	918	-.249	.115	.118	-.669
270	919	-.204	.078	.066	-.485
270	920	-.166	.086	.142	-.485
270	1001	-.127	.093	.191	-.457
270	1002	-.129	.097	.193	-.566
270	1003	-.160	.095	.183	-.504
270	1004	-.158	.094	.185	-.463
270	1005	-.252	.102	.116	-.639
270	1006	-.249	.103	.088	-.634
270	1007	-.132	.087	.200	-.442
270	1008	-.152	.087	.344	-.482
270	1009	-.136	.089	.201	-.405
270	1010	-.129	.086	.174	-.426
270	1011	-.152	.089	.157	-.466
270	1012	-.178	.106	.143	-.661
270	1013	-.250	.106	.095	-.688
270	1014	-.150	.120	.410	-.586
270	1015	-.239	.106	.124	-.594
270	1016	-.185	.089	.135	-.524
270	1017	-.150	.091	.146	-.643
270	1018	-.128	.080	.156	-.394
270	1019	-.135	.081	.168	-.395
270	1020	-.094	.105	.369	-.421
270	1021	-.109	.088	.227	-.394
270	1022	-.118	.084	.138	-.470
270	1023	-.154	.085	.193	-.441
270	1024	-.068	.097	.350	-.371
270	1101	-.165	.090	.158	-.544
270	1102	-.157	.093	.218	-.513
270	1103	-.148	.088	.135	-.437
270	1104	-.079	.088	.200	-.384
270	1105	-.074	.091	.201	-.414
270	1106	-.018	.092	.264	-.334
270	1107	-.164	.139	.360	-.717
270	1108	-.165	.146	.287	-1.078
270	1109	-.196	.155	.286	-1.049
270	1201	-.100	.078	.176	-.390
270	1202	-.090	.080	.189	-.381
270	1203	-.162	.084	.131	-.451
270	1204	-.070	.088	.218	-.319
270	1205	-.036	.085	.243	-.280
270	1206	-.012	.080	.266	-.292
270	1207	-.044	.093	.254	-.380
270	1208	-.055	.094	.271	-.492
270	1209	-.047	.092	.244	-.397
280	101	-.266	.129	.166	-.842
280	102	-.233	.136	.220	-.839
280	103	-.246	.151	.294	-1.030
280	104	-.223	.143	.256	-.984
280	105	-.371	.184	.232	-1.160
280	106	-.391	.200	.356	-1.106
280	107	-.508	.208	.177	-1.214
280	108	-.699	.197	-.045	-1.543
280	109	-.735	.203	-.194	-1.846
280	110	-.305	.127	.192	-.819
280	111	-.251	.127	.233	-.841
280	112	-.256	.156	.207	-1.060
280	113	-.363	.204	.268	-1.156
280	114	-.635	.221	.125	-1.551
280	115	-.667	.176	-.143	-1.348
280	116	-.653	.163	-.162	-1.306
280	117	-.245	.147	.198	-.976
280	118	-.318	.158	.132	-1.069
280	119	-.261	.154	.212	-1.077
280	120	-.331	.187	.155	-1.130
280	121	-.444	.202	.134	-1.177
280	122	-.591	.197	.128	-1.196
280	123	-.606	.181	.040	-1.223
280	124	-.623	.156	-.175	-1.269
280	125	-.591	.150	-.167	-1.285
280	126	-.264	.126	.163	-1.015
280	127	-.220	.128	.198	-.890
280	128	-.228	.166	.183	-1.045
280	129	-.312	.214	.227	-1.406
280	130	-.580	.235	.109	-1.640
280	131	-.648	.177	-.110	-1.444
280	132	-.631	.160	-.128	-1.380
280	133	-.143	.095	.219	-.486
280	134	-.210	.103	.148	-.595
280	135	-.142	.101	.188	-.565
280	136	-.148	.111	.204	-.718
280	137	-.171	.147	.256	-.981
280	138	-.306	.180	.159	-1.033
280	139	-.370	.223	.180	-1.299
280	140	-.537	.185	.148	-1.229
280	141	-.525	.173	-.014	-1.324
280	142	-.142	.089	.181	-.481
280	143	-.114	.088	.257	-.455
280	144	-.100	.092	.226	-.450
280	145	-.082	.098	.250	-.610
280	146	-.193	.142	.262	-1.014
280	147	-.390	.193	.113	-1.411
280	148	-.474	.187	.055	-1.396
280	149	-.086	.085	.226	-.408
280	150	-.140	.089	.207	-.487
280	151	-.066	.086	.244	-.397
280	152	-.033	.096	.368	-.403
280	153	.013	.098	.397	-.343
280	154	-.032	.111	.462	-.435
280	155	.006	.110	.383	-.416
280	156	-.142	.144	.346	-.785
280	157	-.210	.147	.275	-.990
280	201	-.433	.128	-.051	-1.045
280	202	-.193	.112	.197	-.661
280	203	-.040	.118	.415	-.492
280	204	.043	.121	.586	-.377
280	205	.021	.142	.493	-.436
280	206	.174	.144	.639	-.387
280	207	.356	.162	.885	-.252

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	208	-.384	.171	.993	-.195
280	209	-.498	.135	-.078	-1.031
280	210	-.201	.121	.180	-.660
280	211	.124	.127	.578	-.264
280	212	.308	.137	.791	-.095
280	213	.357	.165	1.019	-.140
280	214	.507	.167	1.120	.055
280	215	.484	.203	1.121	-.157
280	216	.394	.213	1.084	-.252
280	217	-.495	.138	-.008	-1.060
280	218	-.190	.114	.210	-.632
280	219	.107	.123	.669	-.305
280	220	.303	.135	.924	-.150
280	221	.352	.161	.949	-.165
280	222	.477	.160	.940	-.043
280	223	.470	.176	.934	-.103
280	224	.385	.195	.890	-.270
280	225	-.505	.153	-.045	-1.101
280	226	-.200	.125	.246	-.690
280	227	.116	.113	.534	-.259
280	228	.295	.126	.768	-.142
280	229	.312	.156	.906	-.147
280	230	.407	.160	.978	-.068
280	231	.333	.158	1.013	-.092
280	232	.229	.180	.979	-.273
280	233	-.424	.153	.124	-.946
280	234	-.087	.115	.304	-.544
280	235	.123	.123	.648	-.273
280	236	.262	.131	.714	-.167
280	237	.214	.154	.755	-.280
280	238	.227	.149	.792	-.280
280	239	.065	.144	.556	-.806
280	240	-.063	.142	.427	-.911
280	241	-.322	.140	.180	-.973
280	242	-.078	.117	.413	-.502
280	243	.098	.115	.546	-.328
280	244	.189	.125	.813	-.200
280	245	.103	.147	.861	-.346
280	246	.127	.132	.751	-.321
280	247	-.013	.130	.430	-.540
280	248	-.090	.139	.431	-.606
280	249	.187	.133	.748	-.205
280	250	.256	.126	.757	-.108
280	251	.193	.122	.583	-.207
280	252	-.021	.117	.406	-.463
280	253	-.011	.119	.444	-.471
280	254	.222	.121	.726	-.191
280	255	.276	.127	.738	-.053
280	256	.342	.137	.921	-.013
280	257	.236	.143	.751	-.132
280	258	.334	.144	.878	-.020
280	259	.278	.142	.902	-.156
280	260	.303	.140	.875	-.122
280	261	.189	.151	.822	-.309
280	262	.207	.132	.773	-.211
280	263	.290	.145	.848	-.131
280	264	.131	.117	.659	-.238
280	265	-.055	.139	.520	-.504
280	301	-.591	.353	.514	-2.097
280	302	-.204	.164	.239	-1.083
280	303	-.434	.136	-.028	-1.003
280	304	-.568	.357	.613	-1.639
280	305	-.322	.391	.443	-1.972
280	306	-.501	.160	.006	-1.396
280	307	-.556	.343	.585	-1.739
280	308	-.365	.411	.482	-1.936
280	309	-.374	.173	.145	-1.590
280	310	-.610	.344	.708	-1.914
280	311	-.428	.415	.660	-2.134
280	312	-.451	.199	.323	-1.736
280	313	-.638	.270	.178	-2.089
280	314	-.556	.277	.090	-2.230
280	315	-.552	.200	.005	-1.448
280	316	-.428	.233	.339	-1.538
280	317	-.375	.271	.597	-1.548
280	318	-.409	.241	.287	-1.789
280	319	-.110	.096	.257	-.466
280	320	.002	.112	.471	-.429
280	321	.028	.132	.616	-.387
280	322	-.036	.102	.386	-.419
280	323	.074	.130	.564	-.285
280	324	-.234	.217	.391	-.990
280	325	-.286	.265	.382	-1.385
280	326	-.160	.180	.369	-1.191
280	401	-.590	.203	.017	-1.496
280	402	-.589	.190	.029	-1.280
280	403	-.481	.157	.027	-1.128
280	404	-.417	.153	.089	-1.241
280	405	-.328	.151	.205	-1.659
280	406	-.319	.153	.162	-1.092
280	407	-.241	.120	.236	-.747
280	408	-.516	.169	-.019	-1.240
280	409	-.511	.164	.004	-1.147
280	410	-.517	.159	-.001	-1.071
280	411	-.507	.163	-.018	-1.066
280	412	-.466	.171	.161	-1.428
280	413	-.389	.160	.277	-1.357
280	414	-.375	.162	.192	-1.391
280	415	-.297	.145	.188	-1.100
280	416	-.272	.145	.224	-.937
280	417	-.481	.175	.013	-1.433
280	418	-.489	.179	-.019	-1.471
280	419	-.478	.177	.083	-1.448
280	420	-.462	.177	.297	-1.469
280	421	-.393	.180	.309	-1.275
280	422	-.361	.169	.223	-.909
280	423	-.356	.190	.242	-1.184
280	424	-.535	.201	.044	-1.466
280	425	-.525	.200	.016	-1.592
280	426	-.509	.178	.032	-1.383
280	427	-.481	.182	.067	-1.342
280	428	-.423	.178	.180	-1.567
280	429	-.369	.159	.156	-1.230
280	430	-.366	.168	.162	-1.153
280	431	-.329	.157	.218	-.958
280	432	-.357	.166	.116	-1.148
280	433	-.517	.196	.025	-1.475
280	434	-.507	.193	.024	-1.488
280	435	-.437	.180	.141	-1.436
280	436	-.393	.172	.204	-1.174
280	437	-.340	.158	.118	-.973
280	438	-.342	.149	.088	-1.056
280	439	-.342	.147	.058	-1.019
280	440	-.370	.196	.220	-1.392
280	441	-.323	.208	.168	-1.491
280	442	-.274	.174	.217	-1.034
280	443	-.254	.172	.228	-1.033
280	444	-.226	.157	.252	-.955
280	445	-.187	.126	.178	-.683
280	446	-.192	.119	.220	-.668
280	447	-.203	.107	.360	-.716
280	448	-.254	.105	.135	-.646
280	449	-.253	.159	.200	-.941
280	450	-.138	.123	.256	-.671
280	451	-.100	.108	.285	-.538
280	452	-.090	.115	.318	-.561
280	453	-.035	.107	.311	-.439
280	454	-.201	.181	.261	-1.466
280	455	-.105	.149	.325	-1.718
280	456	.534	.079	.846	.235
280	457	-.120	.115	.283	-.610
280	458	-.121	.106	.303	-.496
280	459	-.094	.102	.369	-.483
280	460	-.063	.103	.367	-.409
280	461	-.064	.096	.367	-.355
280	501	-.246	.126	.176	-1.188
280	502	-.233	.120	.150	-.962
280	503	-.246	.138	.177	-.872
280	504	-.245	.161	.235	-1.436
280	505	-.212	.139	.241	-1.293

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	506	-.211	.122	.227	-1.021
280	507	-.219	.124	.172	-.718
280	508	-.220	.124	.187	-.749
280	509	-.232	.134	.243	-.712
280	510	-.242	.133	.233	-.765
280	511	-.221	.118	.227	-.852
280	512	-.214	.106	.151	-.562
280	513	-.192	.098	.108	-.552
280	514	-.204	.101	.084	-.554
280	515	-.220	.105	.149	-.567
280	516	-.221	.109	.169	-.599
280	517	-.296	.159	.226	-.858
280	518	-.292	.147	.205	-.781
280	519	-.285	.124	.185	-.695
280	520	-.264	.111	.165	-.716
280	521	-.229	.101	.089	-.809
280	522	-.222	.098	.143	-.566
280	523	-.214	.111	.111	-.714
280	524	-.215	.115	.131	-.723
280	525	-.335	.166	.223	-1.083
280	526	-.339	.162	.212	-1.181
280	527	-.324	.143	.128	-.914
280	528	-.293	.126	.128	-1.045
280	529	-.235	.106	.133	-.611
280	530	-.211	.097	.130	-.641
280	531	-.199	.095	.100	-.534
280	532	-.199	.101	.124	-.601
280	533	-.336	.149	.044	-1.107
280	534	-.346	.149	.062	-1.106
280	535	-.310	.140	.097	-.986
280	536	-.254	.118	.130	-.797
280	537	-.187	.100	.108	-.558
280	538	-.168	.093	.093	-.498
280	539	-.177	.091	.112	-.521
280	540	-.174	.095	.140	-.515
280	541	-.348	.143	.016	-1.054
280	542	-.356	.152	.078	-1.141
280	543	-.235	.116	.171	-.682
280	544	-.183	.104	.163	-.509
280	545	-.148	.091	.174	-.484
280	546	-.138	.093	.192	-.419
280	547	-.139	.083	.140	-.451
280	548	-.138	.087	.153	-.471
280	549	-.213	.117	.126	-.739
280	550	-.226	.114	.144	-.744
280	551	-.186	.094	.099	-.510
280	552	-.136	.088	.236	-.424
280	553	-.091	.095	.221	-.419
280	554	-.107	.097	.225	-.487
280	555	-.135	.091	.179	-.436
280	556	-.127	.088	.164	-.410
280	557	-.136	.087	.162	-.402
280	558	-.134	.088	.151	-.420
280	559	-.134	.091	.163	-.436
280	560	-.132	.091	.164	-.451
280	601	-.267	.129	.160	-.746
280	602	-.267	.136	.247	-1.022
280	603	-.256	.140	.148	-1.106
280	604	-.384	.142	.066	-.991
280	605	-.270	.126	.109	-.827
280	606	-.270	.123	.138	-.888
280	607	-.237	.128	.171	-1.115
280	608	-.374	.140	.071	-.997
280	609	-.282	.141	.146	-1.042
280	610	-.248	.123	.122	-.991
280	611	-.214	.117	.142	-.796
280	612	-.368	.134	.019	-1.138
280	613	-.202	.102	.153	-.658
280	614	-.165	.085	.134	-.499
280	615	-.161	.088	.157	-.502
280	616	-.149	.087	.207	-.547
280	617	-.140	.083	.184	-.433
280	618	-.148	.088	.125	-.412
280	619	-.148	.084	.166	-.451
280	620	-.143	.084	.138	-.431
280	621	-.142	.082	.148	-.421
280	622	-.143	.087	.122	-.514
280	623	-.131	.085	.144	-.489
280	624	-.144	.096	.181	-.537
280	625	-.139	.093	.188	-.507
280	626	-.139	.091	.204	-.457
280	801	-.147	.132	.342	-.876
280	802	-.192	.115	.168	-.750
280	803	-.114	.081	.160	-.385
280	804	-.150	.089	.125	-.444
280	805	-.125	.087	.139	-.426
280	901	-.122	.142	.400	-.686
280	902	-.249	.150	.273	-1.093
280	903	-.983	.228	-.260	-2.052
280	904	-.663	.213	.014	-1.688
280	905	-.691	.171	-.178	-1.361
280	906	-.806	.200	-.159	-1.420
280	907	-.285	.152	.306	-.879
280	908	-.543	.165	.063	-1.198
280	909	-.630	.155	-.168	-1.303
280	910	-.581	.139	-.109	-1.127
280	911	-.457	.188	.481	-1.342
280	912	-.175	.161	.424	-.830
280	913	-.270	.187	.347	-1.076
280	914	-.517	.218	.197	-1.536
280	915	-.645	.183	-.097	-1.528
280	916	-.292	.153	.107	-1.300
280	917	-.255	.115	.091	-.846
280	918	-.214	.105	.145	-.718
280	919	-.222	.078	.050	-.455
280	920	-.170	.088	.103	-.514
280	1001	-.142	.093	.183	-.502
280	1002	-.144	.096	.135	-.507
280	1003	-.175	.097	.184	-.514
280	1004	-.167	.097	.216	-.528
280	1005	-.243	.110	.219	-.796
280	1006	-.241	.115	.204	-.796
280	1007	-.141	.103	.253	-.510
280	1008	-.144	.114	.307	-.573
280	1009	-.150	.092	.120	-.496
280	1010	-.140	.091	.138	-.530
280	1011	-.161	.091	.145	-.486
280	1012	-.174	.097	.148	-.657
280	1013	-.267	.112	.140	-.719
280	1014	-.115	.153	.615	-.600
280	1015	-.187	.139	.380	-.644
280	1016	-.214	.102	.223	-.615
280	1017	-.184	.094	.104	-.660
280	1018	-.150	.084	.107	-.471
280	1019	-.149	.090	.172	-.527
280	1020	-.081	.123	.365	-.425
280	1021	-.124	.102	.236	-.579
280	1022	-.140	.097	.192	-.638
280	1023	-.159	.086	.115	-.454
280	1024	-.087	.110	.370	-.499
280	1101	-.164	.093	.132	-.516
280	1102	-.161	.091	.130	-.529
280	1103	-.151	.088	.113	-.493
280	1104	-.084	.101	.248	-.784
280	1105	-.068	.103	.305	-.557
280	1106	-.002	.102	.410	-.326
280	1107	-.114	.135	.296	-.701
280	1108	-.091	.136	.350	-.918
280	1109	-.076	.140	.330	-.960
280	1201	-.102	.077	.153	-.359
280	1202	-.092	.078	.164	-.355
280	1203	-.160	.083	.137	-.431
280	1204	-.101	.090	.200	-.486
280	1205	-.068	.087	.224	-.442
280	1206	-.032	.083	.229	-.318
280	1207	-.084	.108	.243	-.507
280	1208	-.079	.103	.277	-.456
280	1209	-.071	.096	.242	-.509
290	101	-.293	.121	.075	-.766
290	102	-.244	.122	.237	-.772

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	103	-.308	.137	.246	-.732
290	104	-.218	.124	.205	-.822
290	105	-.317	.142	.154	-1.020
290	106	-.318	.143	.384	-.897
290	107	-.365	.171	.190	-1.169
290	108	-.641	.213	.075	-1.525
290	109	-.727	.209	-.093	-1.811
290	110	-.310	.115	.030	-.942
290	111	-.227	.110	.128	-.834
290	112	-.172	.110	.194	-.814
290	113	-.179	.153	.227	-.955
290	114	-.452	.266	.129	-1.417
290	115	-.680	.198	.125	-1.480
290	116	-.663	.174	.115	-1.310
290	117	-.240	.104	.095	-.703
290	118	-.298	.111	.082	-.840
290	119	-.199	.108	.154	-.767
290	120	-.193	.124	.187	-.850
290	121	-.224	.179	.191	-1.086
290	122	-.382	.218	.194	-1.242
290	123	-.452	.242	.176	-1.242
290	124	-.643	.184	.038	-1.296
290	125	-.613	.170	-.104	-1.246
290	126	-.286	.105	.144	-.731
290	127	-.226	.102	.227	-.791
290	128	-.150	.110	.208	-.762
290	129	-.153	.153	.302	-1.023
290	130	-.369	.241	.237	-1.249
290	131	-.527	.188	.265	-1.172
290	132	-.564	.182	.161	-1.306
290	133	-.174	.096	.199	-.574
290	134	-.236	.103	.142	-.626
290	135	-.143	.097	.273	-.590
290	136	-.135	.103	.249	-.647
290	137	-.124	.132	.284	-.888
290	138	-.238	.174	.255	-1.085
290	139	-.274	.219	.313	-1.195
290	140	-.497	.216	.220	-1.334
290	141	-.495	.195	.151	-1.352
290	142	-.186	.096	.123	-.560
290	143	-.146	.095	.158	-.558
290	144	-.111	.096	.192	-.564
290	145	-.079	.106	.265	-.642
290	146	-.198	.167	.248	-.910
290	147	-.373	.200	.192	-1.340
290	148	-.398	.168	.111	-1.258
290	149	-.123	.088	.199	-.418
290	150	-.178	.092	.147	-.497
290	151	-.083	.088	.223	-.386
290	152	-.043	.100	.278	-.404
290	153	.016	.102	.366	-.334
290	154	-.036	.118	.528	-.476
290	155	-.004	.125	.360	-.499
290	156	-.173	.171	.391	-.870
290	157	-.218	.167	.256	-1.021
290	201	-.367	.139	.145	-.994
290	202	-.119	.128	.410	-.559
290	203	.040	.132	.597	-.410
290	204	.122	.133	.587	-.367
290	205	.088	.157	.570	-.445
290	206	.241	.157	.745	-.272
290	207	.318	.173	.968	-.187
290	208	.287	.174	1.003	-.232
290	209	-.395	.150	.123	-.967
290	210	-.081	.128	.358	-.541
290	211	.234	.149	.695	-.193
290	212	.392	.158	.840	-.020
290	213	.407	.188	.996	-.083
290	214	.511	.177	1.064	-.025
290	215	.421	.196	1.045	-.113
290	216	.274	.188	.859	-.310
290	217	-.410	.156	.188	-.948
290	218	-.077	.128	.412	-.528
290	219	.230	.137	.801	-.233
290	220	.411	.146	.935	-.090
290	221	.432	.174	1.007	-.206
290	222	.509	.170	1.071	-.105
290	223	.367	.168	1.045	-.200
290	224	.211	.166	.868	-.399
290	225	-.378	.156	.110	-1.011
290	226	-.072	.124	.348	-.528
290	227	.207	.133	.810	-.180
290	228	.376	.145	1.015	.016
290	229	.375	.176	1.072	-.138
290	230	.439	.163	1.041	-.039
290	231	.279	.167	.877	-.256
290	232	.142	.165	.680	-.441
290	233	-.350	.159	.162	-1.004
290	234	-.013	.110	.438	-.380
290	235	.182	.123	.694	-.306
290	236	.319	.136	.860	-.151
290	237	.281	.168	.940	-.231
290	238	.321	.157	.974	-.171
290	239	.141	.146	.734	-.411
290	240	-.006	.142	.521	-.474
290	241	-.278	.146	.148	-.866
290	242	-.029	.121	.331	-.487
290	243	.148	.114	.517	-.223
290	244	.253	.122	.712	-.151
290	245	.173	.149	.731	-.275
290	246	.212	.137	.719	-.200
290	247	.032	.134	.560	-.482
290	248	-.093	.134	.433	-.636
290	249	.204	.148	.735	-.334
290	250	.291	.138	.829	-.130
290	251	.223	.129	.664	-.214
290	252	-.018	.116	.370	-.502
290	253	-.027	.116	.437	-.430
290	254	.231	.117	.687	-.108
290	255	.293	.130	.765	-.094
290	256	.367	.144	.935	-.008
290	257	.246	.151	.802	-.184
290	258	.351	.146	.964	-.066
290	259	.321	.143	.806	-.093
290	260	.343	.137	.832	-.065
290	261	.230	.164	.876	-.241
290	262	.256	.151	.906	-.207
290	263	.335	.165	1.083	-.137
290	264	.088	.122	.536	-.280
290	265	-.190	.141	.241	-.767
290	301	-.728	.318	.073	-2.339
290	302	-.450	.273	.200	-1.716
290	303	-.479	.184	.132	-1.397
290	304	-.678	.287	.513	-1.682
290	305	-.610	.346	.310	-1.859
290	306	-.530	.255	.198	-1.691
290	307	-.643	.297	.002	-1.751
290	308	-.630	.330	.188	-2.129
290	309	-.485	.261	.410	-2.327
290	310	-.629	.292	-.002	-2.301
290	311	-.638	.350	.180	-2.403
290	312	-.527	.269	.175	-2.465
290	313	-.557	.223	.016	-2.003
290	314	-.593	.236	-.008	-1.871
290	315	-.573	.229	-.069	-1.730
290	316	-.582	.240	-.024	-1.826
290	317	-.569	.255	.282	-1.972
290	318	-.589	.261	.268	-2.403
290	319	-.123	.100	.263	-.450
290	320	.031	.118	.558	-.337
290	321	.094	.145	.960	-.351
290	322	-.037	.107	.376	-.395
290	323	.111	.138	.645	-.265
290	324	-.467	.202	.058	-1.426
290	325	-.546	.244	.172	-1.723
290	326	-.330	.192	.295	-1.264
290	401	-.506	.215	.107	-1.988
290	402	-.499	.198	-.017	-1.409
290	403	-.463	.204	.088	-1.619
290	404	-.423	.204	.270	-1.542

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	405	-.373	.194	.231	-1.454
290	406	-.358	.187	.220	-1.226
290	407	-.321	.184	.288	-1.354
290	408	-.470	.206	.138	-1.363
290	409	-.455	.209	.151	-1.634
290	410	-.458	.193	.152	-1.447
290	411	-.450	.201	.160	-1.403
290	412	-.440	.213	.165	-1.765
290	413	-.386	.188	.248	-1.462
290	414	-.394	.185	.215	-1.406
290	415	-.351	.173	.166	-1.283
290	416	-.340	.186	.188	-1.461
290	417	-.452	.214	.121	-1.661
290	418	-.466	.234	.091	-2.020
290	419	-.439	.215	.099	-1.493
290	420	-.408	.199	.155	-1.461
290	421	-.376	.178	.259	-1.204
290	422	-.398	.172	.233	-1.125
290	423	-.395	.197	.177	-1.349
290	424	-.476	.211	.068	-1.772
290	425	-.472	.229	.072	-2.322
290	426	-.473	.203	.057	-1.981
290	427	-.462	.206	.040	-1.795
290	428	-.433	.185	.063	-1.304
290	429	-.409	.174	.104	-1.246
290	430	-.432	.178	.059	-1.252
290	431	-.419	.175	.075	-1.121
290	432	-.416	.191	.186	-1.351
290	433	-.490	.169	.015	-1.533
290	434	-.510	.177	-.008	-1.589
290	435	-.481	.164	-.051	-1.327
290	436	-.462	.162	.037	-1.253
290	437	-.436	.154	.041	-1.165
290	438	-.433	.149	.041	-1.068
290	439	-.421	.151	.066	-1.014
290	440	-.568	.216	-.029	-1.492
290	441	-.559	.226	-.057	-1.529
290	442	-.512	.192	.003	-1.246
290	443	-.501	.196	-.000	-1.313
290	444	-.399	.179	.130	-1.167
290	445	-.337	.156	.110	-.992
290	446	-.326	.156	.082	-1.028
290	447	-.293	.133	.151	-.834
290	448	-.294	.123	.063	-.838
290	449	-.466	.197	.024	-1.824
290	450	-.323	.177	.119	-1.367
290	451	-.206	.132	.145	-.929
290	452	-.130	.102	.209	-.582
290	453	-.050	.117	.325	-.717
290	454	-.336	.189	.162	-1.157
290	455	-.202	.138	.155	-.923
290	456	-.436	.093	.706	.085
290	457	-.250	.144	.188	-.937
290	458	-.231	.131	.150	-.759
290	459	-.163	.130	.369	-.660
290	460	-.108	.112	.279	-.586
290	461	-.084	.096	.283	-.486
290	501	-.268	.162	.333	-1.104
290	502	-.292	.155	.311	-1.197
290	503	-.314	.166	.194	-1.223
290	504	-.300	.156	.243	-1.225
290	505	-.256	.130	.192	-.808
290	506	-.259	.135	.225	-.854
290	507	-.255	.135	.176	-.906
290	508	-.253	.133	.158	-.910
290	509	-.294	.170	.183	-1.037
290	510	-.297	.158	.182	-.934
290	511	-.280	.128	.151	-1.030
290	512	-.271	.113	.083	-.765
290	513	-.245	.104	.138	-.630
290	514	-.260	.106	.097	-.682
290	515	-.246	.112	.123	-.680
290	516	-.246	.115	.117	-.685
290	517	-.335	.176	.143	-1.167
290	518	-.331	.158	.110	-1.021
290	519	-.312	.122	.064	-.738
290	520	-.286	.109	.038	-.719
290	521	-.243	.097	.064	-.660
290	522	-.246	.095	.076	-.661
290	523	-.242	.108	.174	-.671
290	524	-.242	.109	.167	-.731
290	525	-.383	.175	.227	-1.300
290	526	-.375	.161	.179	-1.075
290	527	-.342	.135	.097	-.924
290	528	-.298	.114	.093	-.732
290	529	-.241	.100	.119	-.609
290	530	-.236	.090	.083	-.578
290	531	-.228	.106	.120	-.656
290	532	-.226	.109	.153	-.759
290	533	-.403	.168	.077	-1.155
290	534	-.405	.164	.068	-1.267
290	535	-.370	.142	.037	-1.525
290	536	-.303	.122	.038	-.998
290	537	-.232	.106	.108	-.695
290	538	-.219	.095	.096	-.531
290	539	-.207	.095	.103	-.519
290	540	-.205	.099	.114	-.542
290	541	-.356	.148	.089	-.958
290	542	-.362	.154	.113	-1.008
290	543	-.285	.128	.097	-.852
290	544	-.252	.128	.158	-.820
290	545	-.187	.102	.243	-.538
290	546	-.185	.100	.234	-.537
290	547	-.192	.091	.125	-.506
290	548	-.192	.094	.144	-.528
290	549	-.219	.110	.125	-.643
290	550	-.270	.125	.091	-1.086
290	551	-.244	.100	.134	-.639
290	552	-.198	.093	.126	-.556
290	553	-.111	.100	.252	-.547
290	554	-.139	.103	.208	-.566
290	555	-.188	.099	.120	-.541
290	556	-.177	.095	.133	-.569
290	557	-.171	.094	.156	-.580
290	558	-.184	.095	.147	-.582
290	559	-.180	.098	.127	-.487
290	560	-.180	.099	.122	-.481
290	601	-.300	.130	.183	-.908
290	602	-.297	.122	.119	-.893
290	603	-.265	.117	.111	-.853
290	604	-.440	.118	-.044	-.923
290	605	-.312	.117	.098	-.781
290	606	-.276	.109	.121	-.686
290	607	-.250	.108	.149	-.780
290	608	-.414	.120	-.082	-.901
290	609	-.275	.108	.076	-.778
290	610	-.273	.115	.039	-.722
290	611	-.230	.110	.075	-.636
290	612	-.402	.121	-.066	-.864
290	613	-.246	.119	.096	-1.178
290	614	-.211	.089	.123	-.532
290	615	-.205	.093	.148	-.563
290	616	-.209	.094	.127	-.586
290	617	-.191	.093	.156	-.644
290	618	-.191	.095	.153	-.511
290	619	-.200	.094	.134	-.513
290	620	-.199	.092	.131	-.494
290	621	-.194	.091	.117	-.491
290	622	-.189	.081	.094	-.459
290	623	-.174	.080	.106	-.439
290	624	-.197	.089	.104	-.522
290	625	-.184	.086	.128	-.458
290	626	-.187	.090	.139	-.588
290	801	-.255	.171	.343	-1.010
290	802	-.275	.141	.132	-.888
290	803	-.171	.088	.177	-.489
290	804	-.209	.097	.087	-.541
290	805	-.178	.094	.109	-.483
290	901	-.348	.208	.485	-1.296
290	902	-.473	.226	.514	-1.376

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	903	-.870	.278	-.116	-1.949
290	904	-.637	.207	.086	-1.495
290	905	-.656	.172	-.091	-1.261
290	906	-.687	.196	-.110	-1.398
290	907	-.392	.182	.336	-1.064
290	908	-.552	.183	.048	-1.536
290	909	-.620	.199	-.091	-1.415
290	910	-.561	.180	-.090	-1.260
290	911	-.536	.229	.271	-1.671
290	912	-.296	.199	.509	-1.272
290	913	-.396	.201	.314	-1.213
290	914	-.576	.254	.075	-1.645
290	915	-.684	.236	-.112	-2.575
290	916	-.311	.130	.203	-1.303
290	917	-.284	.116	.047	-1.092
290	918	-.280	.111	.053	-.768
290	919	-.297	.090	-.009	-.592
290	920	-.249	.096	.103	-.625
290	1001	-.252	.133	.137	-.818
290	1002	-.238	.121	.102	-.840
290	1003	-.241	.108	.127	-1.147
290	1004	-.232	.106	.119	-.581
290	1005	-.311	.128	.074	-.890
290	1006	-.288	.143	.231	-.833
290	1007	-.210	.175	.594	-1.196
290	1008	-.227	.185	.430	-1.249
290	1009	-.254	.134	.188	-.924
290	1010	-.225	.117	.138	-.888
290	1011	-.221	.099	.110	-.584
290	1012	-.237	.123	.147	-.888
290	1013	-.318	.139	.118	-1.189
290	1014	-.259	.170	.389	-1.394
290	1015	-.308	.189	.335	-1.588
290	1016	-.324	.156	.136	-1.224
290	1017	-.254	.130	.168	-1.044
290	1018	-.201	.088	.102	-.466
290	1019	-.204	.086	.107	-.504
290	1020	-.134	.127	.366	-.574
290	1021	-.220	.112	.131	-.677
290	1022	-.205	.109	.134	-.763
290	1023	-.222	.098	.135	-.544
290	1024	-.161	.126	.275	-.666
290	1101	-.164	.092	.114	-.528
290	1102	-.219	.096	.068	-.527
290	1103	-.206	.096	.083	-.541
290	1104	-.094	.088	.255	-.443
290	1105	-.079	.085	.328	-.348
290	1106	-.054	.089	.346	-.347
290	1107	-.128	.111	.208	-.624
290	1108	-.105	.110	.296	-.714
290	1109	-.102	.113	.279	-.655
290	1201	-.137	.074	.101	-.409
290	1202	-.140	.077	.096	-.424
290	1203	-.162	.082	.103	-.449
290	1204	-.143	.082	.156	-.455
290	1205	-.109	.080	.182	-.393
290	1206	-.071	.078	.201	-.336
290	1207	-.151	.109	.199	-.527
290	1208	-.143	.097	.247	-.509
290	1209	-.153	.099	.247	-.523
300	101	-.292	.115	.052	-.712
300	102	-.222	.103	.142	-.653
300	103	-.321	.124	.098	-.788
300	104	-.179	.101	.192	-.688
300	105	-.251	.111	.131	-.770
300	106	-.259	.121	.186	-.959
300	107	-.209	.120	.117	-.772
300	108	-.432	.202	.075	-1.363
300	109	-.541	.209	.033	-1.785
300	110	-.317	.113	.082	-.796
300	111	-.202	.102	.161	-.557
300	112	-.106	.103	.278	-.458
300	113	-.053	.115	.346	-.645
300	114	-.170	.199	.362	-1.061
300	115	-.425	.218	.412	-1.134
300	116	-.467	.191	.145	-1.060
300	117	-.206	.100	.126	-.632
300	118	-.256	.103	.089	-.692
300	119	-.132	.096	.188	-.507
300	120	-.099	.103	.346	-.557
300	121	-.050	.126	.348	-1.142
300	122	-.134	.167	.328	-1.221
300	123	-.138	.209	.362	-1.205
300	124	-.423	.215	.289	-1.126
300	125	-.406	.191	.174	-1.089
300	126	-.271	.101	.072	-.631
300	127	-.190	.097	.113	-.577
300	128	-.107	.098	.227	-.507
300	129	-.057	.115	.320	-.573
300	130	-.201	.208	.384	-.984
300	131	-.402	.216	.336	-1.155
300	132	-.404	.188	.179	-1.006
300	133	-.185	.089	.096	-.489
300	134	-.246	.097	.101	-.565
300	135	-.128	.090	.166	-.445
300	136	-.102	.108	.259	-.484
300	137	-.050	.119	.327	-.622
300	138	-.126	.148	.316	-.836
300	139	-.107	.182	.380	-.833
300	140	-.287	.221	.379	-1.041
300	141	-.317	.188	.179	-1.169
300	142	-.220	.099	.184	-.624
300	143	-.160	.097	.216	-.601
300	144	-.103	.095	.233	-.512
300	145	-.049	.100	.269	-.468
300	146	-.137	.139	.282	-.768
300	147	-.254	.178	.324	-1.212
300	148	-.253	.157	.233	-1.045
300	149	-.145	.094	.186	-.456
300	150	-.200	.100	.161	-.533
300	151	-.078	.096	.247	-.416
300	152	-.035	.096	.314	-.327
300	153	.040	.098	.382	-.270
300	154	-.005	.112	.369	-.396
300	155	.050	.118	.412	-.412
300	156	-.071	.163	.372	-.710
300	157	-.126	.160	.314	-.728
300	201	-.207	.145	.273	-.773
300	202	.005	.135	.487	-.518
300	203	.122	.140	.773	-.327
300	204	.163	.143	.730	-.297
300	205	.206	.155	.732	-.250
300	206	.252	.164	.745	-.280
300	207	.265	.149	.821	-.284
300	208	.200	.148	.697	-.313
300	209	-.077	.149	.479	-.651
300	210	.091	.143	.608	-.445
300	211	.323	.150	.923	-.139
300	212	.424	.158	.990	-.100
300	213	.467	.167	1.018	-.063
300	214	.478	.171	1.021	-.036
300	215	.356	.166	1.021	-.123
300	216	.201	.158	.863	-.322
300	217	-.140	.143	.389	-.598
300	218	.056	.130	.523	-.359
300	219	.329	.142	.807	-.048
300	220	.444	.151	1.045	-.000
300	221	.480	.157	1.094	.016
300	222	.460	.158	1.067	-.028
300	223	.308	.145	.877	-.105
300	224	.147	.137	.609	-.282
300	225	-.106	.153	.633	-.595
300	226	.061	.137	.723	-.385
300	227	.277	.134	.823	-.167
300	228	.380	.143	1.040	-.173
300	229	.408	.153	1.105	-.083
300	230	.384	.156	1.051	-.082
300	231	.239	.139	.899	-.202
300	232	.096	.132	.589	-.434
300	233	-.103	.133	.301	-.819

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	234	.082	.124	.607	-.357
300	235	.248	.123	.778	-.124
300	236	.351	.131	.821	-.067
300	237	.376	.142	.874	-.034
300	238	.345	.148	.841	-.089
300	239	.155	.136	.660	-.258
300	240	.006	.124	.480	-.402
300	241	-.076	.134	.416	-.541
300	242	.051	.120	.471	-.406
300	243	.215	.111	.637	-.188
300	244	.293	.120	.707	-.088
300	245	.291	.128	.773	-.151
300	246	.249	.132	.756	-.172
300	247	.061	.121	.492	-.421
300	248	-.071	.117	.375	-.491
300	249	.298	.129	.887	-.133
300	250	.310	.131	.856	-.119
300	251	.245	.127	.671	-.157
300	252	.024	.121	.434	-.433
300	253	.121	.112	.552	-.223
300	254	.280	.122	.731	-.097
300	255	.336	.137	.986	-.104
300	256	.381	.151	1.127	-.081
300	257	.346	.144	1.110	-.110
300	258	.385	.153	1.187	-.087
300	259	.351	.139	.977	-.106
300	260	.363	.136	1.036	-.058
300	261	.315	.142	1.075	-.156
300	262	.267	.143	1.024	-.188
300	263	.341	.156	.987	-.083
300	264	.099	.126	.665	-.271
300	265	-.053	.124	.536	-.440
300	301	-.407	.188	-.013	-1.735
300	302	-.424	.168	.007	-1.347
300	303	-.419	.175	.135	-1.368
300	304	-.395	.202	.197	-1.400
300	305	-.394	.214	.215	-1.723
300	306	-.398	.208	.163	-1.657
300	307	-.351	.172	.176	-1.723
300	308	-.357	.181	.176	-1.878
300	309	-.344	.178	.202	-1.656
300	310	-.359	.178	.190	-1.768
300	311	-.376	.159	-.030	-1.331
300	312	-.381	.166	.074	-1.620
300	313	-.381	.138	-.035	-1.558
300	314	-.407	.143	-.046	-1.742
300	315	-.452	.169	.010	-1.493
300	316	-.468	.187	.112	-1.639
300	317	-.460	.191	.109	-1.555
300	318	-.484	.200	.088	-1.699
300	319	-.159	.094	.179	-.491
300	320	.029	.119	.464	-.350
300	321	.087	.164	.717	-.362
300	322	-.070	.105	.299	-.412
300	323	.152	.138	.807	-.296
300	324	-.408	.174	.128	-1.168
300	325	-.473	.193	.168	-1.358
300	326	-.350	.160	.107	-1.053
300	401	-.359	.162	.224	-1.552
300	402	-.356	.160	.207	-1.383
300	403	-.357	.162	.253	-1.192
300	404	-.352	.152	.178	-1.059
300	405	-.352	.148	.103	-1.079
300	406	-.365	.149	.153	-1.073
300	407	-.365	.162	.129	-1.121
300	408	-.343	.162	.138	-1.345
300	409	-.336	.163	.123	-1.752
300	410	-.332	.147	.123	-1.192
300	411	-.333	.147	.093	-1.005
300	412	-.321	.139	.119	-1.148
300	413	-.315	.133	.121	-.929
300	414	-.334	.133	.117	-.849
300	415	-.345	.145	.110	-1.011
300	416	-.357	.155	.026	-1.489
300	417	-.329	.153	.091	-1.374
300	418	-.333	.158	.083	-1.511
300	419	-.332	.147	.053	-1.274
300	420	-.327	.128	.102	-1.010
300	421	-.342	.131	.142	-.873
300	422	-.370	.147	.090	-1.238
300	423	-.370	.152	.098	-1.375
300	424	-.351	.154	.114	-1.262
300	425	-.350	.160	.095	-1.269
300	426	-.353	.148	.099	-1.344
300	427	-.358	.151	.093	-1.343
300	428	-.363	.142	.088	-1.176
300	429	-.361	.137	.053	-1.080
300	430	-.381	.138	.023	-.963
300	431	-.405	.149	.083	-1.227
300	432	-.413	.151	.032	-1.215
300	433	-.397	.138	-.014	-1.293
300	434	-.407	.138	-.045	-1.502
300	435	-.412	.139	-.022	-1.039
300	436	-.407	.146	.025	-1.301
300	437	-.399	.134	.008	-1.059
300	438	-.407	.131	.010	-1.026
300	439	-.416	.137	-.036	-1.084
300	440	-.443	.163	.015	-1.519
300	441	-.438	.166	.008	-1.380
300	442	-.432	.152	-.008	-1.106
300	443	-.436	.157	-.006	-1.150
300	444	-.399	.146	.001	-1.222
300	445	-.371	.134	.043	-1.064
300	446	-.380	.139	.044	-1.049
300	447	-.355	.130	.094	-.992
300	448	-.352	.123	.137	-.926
300	449	-.400	.157	.037	-1.221
300	450	-.380	.146	.050	-1.192
300	451	-.295	.129	.160	-.777
300	452	-.227	.118	.207	-.732
300	453	-.120	.135	.330	-.711
300	454	-.352	.149	.085	-1.073
300	455	-.274	.131	.143	-.985
300	456	.408	.085	.651	.033
300	457	-.284	.130	.165	-.907
300	458	-.283	.117	.079	-.798
300	459	-.214	.122	.223	-.747
300	460	-.172	.130	.229	-.756
300	461	-.135	.117	.225	-.795
300	501	-.339	.143	.074	-1.140
300	502	-.326	.134	.089	-1.084
300	503	-.332	.134	.113	-.937
300	504	-.322	.132	.143	-.842
300	505	-.270	.119	.188	-.662
300	506	-.271	.130	.126	-.742
300	507	-.274	.132	.206	-.772
300	508	-.269	.129	.209	-.736
300	509	-.324	.137	.061	-1.046
300	510	-.327	.127	.053	-.932
300	511	-.316	.112	.147	-.778
300	512	-.300	.106	.137	-.735
300	513	-.270	.102	.099	-.654
300	514	-.274	.107	.101	-.651
300	515	-.269	.109	.125	-.727
300	516	-.268	.111	.134	-.733
300	517	-.341	.133	.149	-.950
300	518	-.337	.123	.131	-.815
300	519	-.316	.105	.053	-.702
300	520	-.287	.100	.025	-.634
300	521	-.250	.097	.073	-.613
300	522	-.252	.099	.108	-.651
300	523	-.253	.105	.067	-.679
300	524	-.253	.106	.080	-.636
300	525	-.361	.129	.054	-.884
300	526	-.352	.120	.078	-.842
300	527	-.318	.109	.029	-.710
300	528	-.280	.101	.062	-.661
300	529	-.240	.096	.061	-.573
300	530	-.236	.094	.083	-.577
300	531	-.237	.092	.121	-.553

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	532	-.237	.095	.097	-.580
300	533	-.383	.134	.038	-1.097
300	534	-.373	.127	.035	-1.060
300	535	-.328	.115	.067	-.802
300	536	-.278	.108	.117	-.770
300	537	-.238	.097	.096	-.622
300	538	-.246	.094	.129	-.549
300	539	-.247	.088	.078	-.591
300	540	-.246	.091	.097	-.603
300	541	-.359	.126	.054	-1.048
300	542	-.364	.128	.082	-1.170
300	543	-.306	.121	.077	-.895
300	544	-.283	.115	.067	-.870
300	545	-.246	.100	.099	-.697
300	546	-.251	.099	.121	-.680
300	547	-.254	.094	.001	-.558
300	548	-.253	.097	.017	-.571
300	549	-.254	.107	.096	-.729
300	550	-.307	.125	.047	-.966
300	551	-.305	.100	.064	-.672
300	552	-.272	.098	.069	-.603
300	553	-.170	.106	.245	-.593
300	554	-.189	.108	.232	-.634
300	555	-.239	.104	.063	-.703
300	556	-.236	.100	.055	-.643
300	557	-.238	.100	.048	-.633
300	558	-.246	.102	.047	-.667
300	559	-.245	.093	.083	-.544
300	560	-.244	.093	.088	-.570
300	601	-.307	.128	.092	-.936
300	602	-.297	.124	.133	-.856
300	603	-.294	.122	.146	-.851
300	604	-.307	.113	.039	-.846
300	605	-.324	.115	.029	-.785
300	606	-.295	.115	.104	-.866
300	607	-.293	.110	.061	-.689
300	608	-.303	.108	.053	-.664
300	609	-.282	.107	.068	-.631
300	610	-.289	.112	.041	-1.008
300	611	-.270	.108	.046	-.794
300	612	-.291	.109	.029	-.841
300	613	-.287	.103	.019	-.705
300	614	-.257	.088	.022	-.575
300	615	-.253	.093	.054	-.604
300	616	-.268	.096	.016	-.805
300	617	-.259	.093	.027	-.595
300	618	-.256	.094	.076	-.674
300	619	-.268	.090	.047	-.560
300	620	-.257	.087	.044	-.559
300	621	-.260	.089	.058	-.569

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	622	-.245	.095	.069	-.624
300	623	-.235	.093	.075	-.619
300	624	-.250	.105	.071	-.679
300	625	-.245	.100	.103	-.632
300	626	-.243	.102	.078	-.658
300	801	-.351	.175	.135	-.999
300	802	-.317	.148	.144	-1.070
300	803	-.218	.094	.082	-.542
300	804	-.275	.100	.089	-.615
300	805	-.242	.097	.119	-.567
300	901	-.395	.156	.122	-1.046
300	902	-.434	.156	.172	-1.230
300	903	-.562	.176	-.029	-1.382
300	904	-.457	.151	-.017	-1.071
300	905	-.464	.141	-.018	-1.143
300	906	-.424	.138	-.007	-1.029
300	907	-.455	.171	.133	-1.011
300	908	-.466	.159	.038	-1.132
300	909	-.507	.176	-.034	-1.441
300	910	-.462	.163	-.001	-1.333
300	911	-.528	.193	.167	-1.560
300	912	-.360	.179	.341	-1.209
300	913	-.424	.174	.254	-1.074
300	914	-.479	.195	.068	-1.239
300	915	-.566	.193	-.061	-1.665
300	916	-.356	.137	.077	-1.022
300	917	-.325	.124	.001	-1.055
300	918	-.318	.118	-.015	-.890
300	919	-.367	.096	-.112	-.765
300	920	-.292	.103	.035	-.667
300	1001	-.390	.157	-.005	-1.538
300	1002	-.321	.130	.053	-1.396
300	1003	-.298	.108	.073	-.929
300	1004	-.290	.108	.065	-1.032
300	1005	-.363	.117	-.003	-1.007
300	1006	-.324	.128	.117	-1.067
300	1007	-.345	.130	.146	-1.041
300	1008	-.338	.146	.159	-.926
300	1009	-.385	.156	.021	-1.153
300	1010	-.311	.109	.042	-.741
300	1011	-.286	.105	.090	-.903
300	1012	-.289	.123	.078	-.993
300	1013	-.362	.140	-.032	-1.076
300	1014	-.336	.161	-.230	-1.510
300	1015	-.356	.143	.101	-.962
300	1016	-.377	.142	.158	-.948
300	1017	-.332	.145	.078	-1.293
300	1018	-.270	.094	.037	-.644
300	1019	-.280	.103	.072	-.655
300	1020	-.202	.124	.321	-.720

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	1021	-.309	.116	.043	-.743
300	1022	-.270	.134	.168	-.841
300	1023	-.281	.099	.038	-.619
300	1024	-.228	.129	.206	-.701
300	1101	-.297	.114	.038	-.913
300	1102	-.285	.102	.038	-.632
300	1103	-.260	.101	.062	-.629
300	1104	-.218	.110	.145	-.649
300	1105	-.117	.107	.301	-.469
300	1106	-.001	.107	.429	-.343
300	1107	-.103	.111	.266	-.665
300	1108	-.084	.108	.327	-.675
300	1109	-.088	.114	.286	-.507
300	1201	-.195	.084	.089	-.318
300	1202	-.185	.085	.109	-.497
300	1203	-.272	.093	.059	-.610
300	1204	-.228	.096	.092	-.540
300	1205	-.176	.089	.124	-.432
300	1206	-.124	.086	.225	-.422
300	1207	-.247	.110	.122	-.687
300	1208	-.228	.094	.067	-.569
300	1209	-.194	.094	.088	-.322
310	101	-.279	.110	.106	-.729
310	102	-.185	.104	.175	-.575
310	103	-.283	.120	.164	-.689
310	104	-.122	.104	.241	-.303
310	105	-.181	.114	.233	-.604
310	106	-.191	.117	.269	-.613
310	107	-.104	.113	.325	-.585
310	108	-.201	.170	.234	-.834
310	109	-.314	.174	.278	-1.048
310	110	-.290	.103	.072	-.640
310	111	-.142	.101	.263	-.467
310	112	-.022	.099	.343	-.333
310	113	.055	.105	.439	-.282
310	114	.021	.135	.490	-.668
310	115	-.118	.214	.530	-.861
310	116	-.219	.219	.445	-1.104
310	117	-.188	.094	.129	-.523
310	118	-.222	.104	.111	-.611
310	119	-.073	.101	.272	-.444
310	120	-.028	.105	.349	-.451
310	121	.052	.111	.423	-.405
310	122	.008	.128	.417	-.529
310	123	.061	.142	.490	-.577
310	124	-.164	.210	.412	-1.074
310	125	-.179	.182	.361	-.984
310	126	-.264	.095	.054	-.665
310	127	-.158	.091	.145	-.506
310	128	-.038	.100	.345	-.396

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	129	-.041	.108	.434	-.339
310	130	-.006	.146	.452	-.652
310	131	-.116	.214	.535	-.803
310	132	-.189	.202	.489	-1.039
310	133	-.180	.093	.122	-.515
310	134	-.229	.104	.106	-.595
310	135	-.089	.099	.224	-.418
310	136	-.055	.097	.286	-.391
310	137	-.020	.103	.447	-.296
310	138	-.031	.118	.452	-.455
310	139	-.021	.134	.544	-.535
310	140	-.093	.215	.508	-.820
310	141	-.144	.190	.417	-.951
310	142	-.229	.102	.092	-.562
310	143	-.150	.101	.226	-.497
310	144	-.089	.092	.251	-.379
310	145	-.019	.094	.342	-.333
310	146	-.088	.126	.358	-.591
310	147	-.167	.169	.345	-.835
310	148	-.159	.157	.269	-1.050
310	149	-.146	.089	.176	-.523
310	150	-.197	.094	.136	-.579
310	151	-.052	.089	.312	-.429
310	152	-.007	.095	.309	-.289
310	153	.076	.099	.391	-.210
310	154	.034	.112	.510	-.305
310	155	.097	.111	.548	-.247
310	156	-.016	.170	.508	-.762
310	157	-.063	.173	.500	-.828
310	201	-.054	.164	.640	-.599
310	202	.119	.151	.702	-.393
310	203	.172	.157	.745	-.322
310	204	.193	.155	.670	-.325
310	205	.201	.162	.707	-.295
310	206	.235	.164	.800	-.291
310	207	.203	.162	.782	-.344
310	208	.127	.152	.646	-.417
310	209	.107	.170	.824	-.398
310	210	.250	.158	.903	-.278
310	211	.450	.175	.975	-.098
310	212	.519	.180	1.096	.013
310	213	.521	.186	1.118	-.014
310	214	.496	.176	1.019	-.040
310	215	.295	.153	.976	-.206
310	216	.138	.137	.729	-.312
310	217	.070	.167	.590	-.496
310	218	.243	.154	.725	-.304
310	219	.430	.156	1.118	-.024
310	220	.385	.163	1.136	-.005
310	221	.495	.168	.990	-.022
310	222	.442	.161	.944	-.068
310	223	.228	.146	.782	-.166
310	224	.075	.130	.588	-.250
310	225	.035	.160	.579	-.443
310	226	.182	.149	.722	-.210
310	227	.368	.133	.878	-.025
310	228	.448	.135	.867	.049
310	229	.440	.140	.891	.030
310	230	.392	.137	.836	-.017
310	231	.173	.134	.667	-.270
310	232	.045	.124	.480	-.356
310	233	.002	.146	.616	-.493
310	234	.197	.137	.703	-.247
310	235	.313	.129	.777	-.063
310	236	.379	.138	.903	-.026
310	237	.355	.148	.957	-.075
310	238	.304	.147	.839	-.178
310	239	.127	.133	.598	-.280
310	240	-.008	.121	.433	-.440
310	241	-.034	.134	.459	-.445
310	242	.090	.118	.570	-.265
310	243	.234	.119	.655	-.186
310	244	.293	.121	.802	-.092
310	245	.265	.129	.823	-.127
310	246	.225	.130	.794	-.203
310	247	.068	.133	.617	-.408
310	248	-.055	.124	.398	-.491
310	249	.315	.132	.879	-.084
310	250	.332	.132	.920	-.069
310	251	.253	.129	.773	-.187
310	252	.094	.130	.671	-.294
310	253	.161	.123	.658	-.208
310	254	.313	.127	.735	-.050
310	255	.334	.129	.872	-.047
310	256	.367	.137	.917	-.089
310	257	.329	.134	.876	-.113
310	258	.370	.143	.951	-.082
310	259	.345	.134	.872	-.019
310	260	.372	.136	.899	-.008
310	261	.293	.136	.863	-.083
310	262	.248	.130	.795	-.115
310	263	.351	.153	1.136	-.090
310	264	.093	.126	.525	-.322
310	265	-.062	.124	.378	-.555
310	301	-.312	.101	-.005	-.724
310	302	-.337	.110	-.014	-.800
310	303	-.339	.130	.153	-.957
310	304	-.290	.112	.109	-.787
310	305	-.283	.115	.159	-.903
310	306	-.306	.122	.133	-.966
310	307	-.293	.103	.058	-.856
310	308	-.295	.108	.048	-.998
310	309	-.290	.117	.027	-1.158
310	310	-.295	.106	.022	-1.021
310	311	-.288	.106	.079	-.976
310	312	-.290	.110	.063	-1.137
310	313	-.299	.107	.040	-.712
310	314	-.324	.109	.016	-.794
310	315	-.342	.108	.046	-.775
310	316	-.367	.118	.048	-1.042
310	317	-.356	.120	.040	-1.175
310	318	-.379	.125	.004	-1.216
310	319	-.200	.102	.167	-.611
310	320	-.012	.129	.461	-.415
310	321	.010	.176	.730	-.517
310	322	-.125	.117	.279	-.473
310	323	.184	.152	.748	-.290
310	324	-.356	.155	.135	-1.062
310	325	-.423	.172	.087	-1.339
310	326	-.343	.151	.200	-1.334
310	401	-.322	.124	.047	-1.011
310	402	-.328	.119	.062	-.922
310	403	-.328	.114	.027	-.917
310	404	-.337	.126	.093	-1.016
310	405	-.339	.124	.108	-.924
310	406	-.361	.134	.139	-.950
310	407	-.363	.143	.153	-1.013
310	408	-.313	.123	.107	-.851
310	409	-.307	.118	.113	-.810
310	410	-.315	.117	.105	-.740
310	411	-.316	.116	.102	-.725
310	412	-.315	.101	.027	-.704
310	413	-.313	.101	.044	-.662
310	414	-.330	.102	.016	-.665
310	415	-.343	.110	-.007	-.785
310	416	-.351	.114	.080	-.769
310	417	-.294	.105	.165	-.684
310	418	-.303	.105	.170	-.708
310	419	-.307	.103	.141	-.695
310	420	-.323	.100	.019	-.731
310	421	-.333	.103	.012	-.782
310	422	-.365	.110	-.020	-.766
310	423	-.371	.113	-.025	-.887
310	424	-.312	.114	.070	-.883
310	425	-.309	.113	.056	-.881
310	426	-.319	.111	.049	-.872
310	427	-.323	.110	.052	-.845
310	428	-.319	.102	.071	-.731
310	429	-.320	.103	.066	-.727
310	430	-.338	.107	.055	-.851

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	431	-.360	.114	.064	-.941
310	432	-.406	.137	-.045	-1.143
310	433	-.368	.126	.048	-.914
310	434	-.377	.125	.016	-.927
310	435	-.386	.126	-.004	-.899
310	436	-.394	.134	.053	-.976
310	437	-.388	.130	.044	-1.073
310	438	-.403	.132	.056	-.955
310	439	-.417	.139	.042	-1.096
310	440	-.383	.132	.020	-.988
310	441	-.377	.130	.019	-1.007
310	442	-.379	.128	.005	-.975
310	443	-.385	.129	.006	-1.102
310	444	-.418	.151	-.039	-1.381
310	445	-.402	.142	-.036	-1.231
310	446	-.411	.145	-.038	-1.296
310	447	-.395	.132	.010	-1.115
310	448	-.376	.123	-.061	-.964
310	449	-.369	.150	.071	-.931
310	450	-.374	.147	.016	-1.104
310	451	-.344	.124	.035	-.962
310	452	-.296	.119	.091	-.803
310	453	-.216	.159	.367	-.937
310	454	-.325	.148	.163	-1.221
310	455	-.293	.130	.143	-.797
310	456	.404	.084	.680	.130
310	457	-.338	.126	.011	-.919
310	458	-.337	.119	.067	-.745
310	459	-.309	.116	.080	-.693
310	460	-.252	.117	.177	-.715
310	461	-.203	.108	.149	-.688
310	501	-.330	.119	.035	-.726
310	502	-.325	.114	.010	-.729
310	503	-.322	.103	.055	-.819
310	504	-.310	.103	.033	-.723
310	505	-.275	.099	.071	-.674
310	506	-.290	.106	.073	-.790
310	507	-.288	.119	.171	-.690
310	508	-.283	.117	.172	-.719
310	509	-.307	.106	.058	-.672
310	510	-.311	.103	.050	-.692
310	511	-.302	.103	.027	-.597
310	512	-.285	.101	.032	-.611
310	513	-.262	.098	.039	-.583
310	514	-.273	.103	.033	-.661
310	515	-.274	.102	.130	-.605
310	516	-.274	.103	.141	-.613
310	517	-.312	.107	.023	-.736
310	518	-.304	.102	.020	-.693
310	519	-.296	.095	.014	-.634

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	520	-.273	.094	.038	-.595
310	521	-.252	.093	.054	-.583
310	522	-.267	.095	.014	-.602
310	523	-.253	.098	.072	-.659
310	524	-.254	.098	.060	-.639
310	525	-.320	.103	-.006	-.794
310	526	-.310	.101	.001	-.784
310	527	-.283	.100	.087	-.687
310	528	-.257	.095	.066	-.590
310	529	-.239	.091	.084	-.545
310	530	-.252	.089	.077	-.561
310	531	-.248	.092	.081	-.597
310	532	-.248	.095	.078	-.601
310	533	-.349	.109	-.022	-.762
310	534	-.335	.106	-.008	-.742
310	535	-.291	.095	.033	-.625
310	536	-.261	.094	.063	-.635
310	537	-.246	.093	.079	-.573
310	538	-.264	.093	.042	-.571
310	539	-.268	.091	.025	-.607
310	540	-.267	.094	.045	-.632
310	541	-.353	.105	-.048	-.858
310	542	-.356	.107	-.032	-.902
310	543	-.303	.095	-.025	-.803
310	544	-.293	.092	-.005	-.798
310	545	-.268	.082	.011	-.559
310	546	-.276	.086	.009	-.571
310	547	-.275	.090	.017	-.584
310	548	-.273	.094	.047	-.589
310	549	-.272	.095	.057	-.680
310	550	-.310	.112	-.009	-1.178
310	551	-.303	.095	.048	-.633
310	552	-.280	.092	.068	-.571
310	553	-.204	.103	.292	-.700
310	554	-.218	.101	.296	-.596
310	555	-.245	.098	.109	-.583
310	556	-.249	.097	.088	-.575
310	557	-.251	.096	.075	-.600
310	558	-.257	.097	.055	-.616
310	559	-.253	.091	.103	-.539
310	560	-.249	.092	.108	-.555
310	601	-.342	.135	.104	-.866
310	602	-.334	.119	.029	-.767
310	603	-.320	.115	.054	-.665
310	604	-.356	.110	-.010	-.995
310	605	-.336	.113	.039	-.724
310	606	-.310	.113	.034	-.726
310	607	-.309	.110	.001	-.829
310	608	-.343	.110	-.032	-.780
310	609	-.300	.107	.021	-.710

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	610	-.313	.103	-.023	-.762
310	611	-.287	.101	.036	-.633
310	612	-.332	.104	.006	-.683
310	613	-.322	.102	-.021	-.745
310	614	-.289	.092	.037	-.617
310	615	-.280	.096	.059	-.633
310	616	-.305	.101	.017	-.787
310	617	-.296	.099	.022	-.783
310	618	-.299	.099	.068	-.652
310	619	-.305	.100	.061	-.650
310	620	-.302	.096	.046	-.633
310	621	-.301	.098	.058	-.628
310	622	-.290	.103	.039	-.846
310	623	-.275	.097	.052	-.736
310	624	-.289	.112	.063	-.821
310	625	-.293	.110	.043	-.733
310	626	-.297	.106	.020	-.934
310	801	-.432	.203	.230	-1.247
310	802	-.329	.135	.075	-1.155
310	803	-.266	.099	.063	-.624
310	804	-.292	.101	.043	-.664
310	805	-.260	.098	.059	-.615
310	901	-.383	.145	.208	-.948
310	902	-.378	.135	.034	-1.141
310	903	-.474	.138	-.001	-1.099
310	904	-.398	.139	.158	-1.195
310	905	-.392	.125	.044	-.920
310	906	-.354	.115	.073	-.760
310	907	-.439	.159	.078	-1.195
310	908	-.408	.139	.058	-.892
310	909	-.415	.138	.076	-.910
310	910	-.380	.131	.090	-.841
310	911	-.472	.162	-.019	-1.239
310	912	-.365	.164	.148	-1.244
310	913	-.369	.132	.014	-.818
310	914	-.385	.145	.086	-1.148
310	915	-.471	.146	.002	-1.177
310	916	-.357	.115	.001	-.967
310	917	-.338	.115	.028	-.818
310	918	-.324	.109	.056	-.773
310	919	-.401	.097	-.059	-.821
310	920	-.321	.098	-.016	-.683
310	1001	-.414	.175	-.008	-1.601
310	1002	-.346	.140	.010	-1.202
310	1003	-.320	.115	.059	-1.239
310	1004	-.300	.102	.046	-.804
310	1005	-.363	.104	-.015	-.738
310	1006	-.335	.105	.024	-.754
310	1007	-.357	.110	.020	-.868
310	1008	-.349	.119	.115	-.852

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	1009	-.394	.146	.011	-1.402
310	1010	-.333	.104	.060	-.881
310	1011	-.310	.105	.026	-.878
310	1012	-.293	.104	.050	-1.088
310	1013	-.353	.111	-.003	-1.116
310	1014	-.352	.127	-.007	-1.046
310	1015	-.371	.124	.068	-1.079
310	1016	-.378	.130	.036	-.952
310	1017	-.324	.139	.161	-.876
310	1018	-.301	.103	.049	-.675
310	1019	-.294	.101	.062	-.638
310	1020	-.246	.115	.157	-.692
310	1021	-.313	.113	.058	-.814
310	1022	-.277	.132	.106	-.839
310	1023	-.297	.097	.015	-.731
310	1024	-.267	.117	.100	-.728
310	1101	-.320	.115	.069	-.863
310	1102	-.321	.102	.084	-.712
310	1103	-.289	.100	.099	-.664
310	1104	-.254	.108	.067	-.719
310	1105	-.176	.113	.202	-.537
310	1106	-.045	.114	.367	-.403
310	1107	-.129	.122	.244	-.691
310	1108	-.092	.110	.253	-.525
310	1109	-.077	.113	.281	-.578
310	1201	-.237	.092	.064	-.499
310	1202	-.226	.093	.092	-.499
310	1203	-.298	.098	.022	-.599
310	1204	-.302	.099	.034	-.713
310	1205	-.237	.092	.101	-.583
310	1206	-.163	.089	.116	-.523
310	1207	-.327	.111	.032	-.694
310	1208	-.327	.101	.030	-.783
310	1209	-.291	.098	.064	-.694
320	101	-.247	.104	.076	-.622
320	102	-.126	.111	.414	-.553
320	103	-.241	.120	.191	-.708
320	104	-.048	.111	.505	-.445
320	105	-.101	.122	.388	-.473
320	106	-.115	.118	.338	-.481
320	107	-.011	.117	.415	-.354
320	108	-.025	.133	.436	-.659
320	109	-.081	.181	.526	-.876
320	110	-.257	.105	.095	-.680
320	111	-.066	.104	.313	-.413
320	112	.070	.117	.527	-.286
320	113	.163	.125	.635	-.191
320	114	.153	.145	.710	-.330
320	115	.151	.200	.750	-.736
320	116	.073	.193	.665	-.521
320	117	-.150	.098	.198	-.508
320	118	-.161	.111	.262	-.561
320	119	.014	.108	.409	-.354
320	120	.060	.109	.572	-.234
320	121	.159	.118	.691	-.171
320	122	.126	.134	.722	-.239
320	123	.201	.135	.756	-.379
320	124	.172	.188	.788	-.641
320	125	.132	.185	.647	-.621
320	126	-.241	.105	.081	-.606
320	127	-.098	.103	.206	-.449
320	128	.028	.107	.395	-.308
320	129	.122	.111	.503	-.208
320	130	.102	.128	.550	-.382
320	131	.085	.185	.607	-.573
320	132	.044	.193	.894	-.511
320	133	-.162	.097	.200	-.569
320	134	-.198	.110	.221	-.642
320	135	-.030	.102	.327	-.500
320	136	.011	.105	.389	-.330
320	137	.102	.110	.469	-.240
320	138	.062	.121	.455	-.294
320	139	.134	.120	.516	-.235
320	140	.098	.174	.600	-.822
320	141	.047	.178	.627	-.860
320	142	-.219	.098	.100	-.663
320	143	-.123	.098	.234	-.575
320	144	-.020	.099	.447	-.350
320	145	.063	.103	.496	-.281
320	146	.021	.123	.465	-.435
320	147	.045	.155	.509	-.546
320	148	.012	.155	.572	-.547
320	149	-.134	.089	.188	-.482
320	150	-.176	.096	.231	-.519
320	151	-.004	.093	.358	-.345
320	152	.037	.097	.414	-.276
320	153	.131	.103	.567	-.186
320	154	.093	.118	.565	-.266
320	155	.161	.112	.611	-.206
320	156	.126	.143	.710	-.501
320	157	.086	.151	.704	-.525
320	201	.116	.163	.806	-.501
320	202	.225	.148	.816	-.361
320	203	.199	.162	.745	-.412
320	204	.198	.158	.685	-.363
320	205	.168	.162	.730	-.395
320	206	.190	.159	.714	-.306
320	207	.109	.150	.618	-.392
320	208	.035	.140	.495	-.449
320	209	.272	.191	.917	-.342
320	210	.373	.182	1.002	-.095
320	211	.475	.163	1.052	-.101
320	212	.498	.166	1.056	-.028
320	213	.454	.176	1.035	-.085
320	214	.402	.166	.859	-.098
320	215	.185	.139	.662	-.311
320	216	.038	.122	.470	-.441
320	217	.252	.190	1.007	-.350
320	218	.378	.172	1.080	-.160
320	219	.475	.168	1.047	-.092
320	220	.506	.162	1.073	-.035
320	221	.449	.163	1.012	-.093
320	222	.370	.149	.887	-.126
320	223	.155	.135	.555	-.279
320	224	.010	.121	.429	-.393
320	225	.193	.180	.971	-.331
320	226	.314	.165	1.098	-.186
320	227	.423	.151	1.006	.018
320	228	.460	.151	.980	.005
320	229	.400	.159	.911	-.101
320	230	.330	.148	.872	-.141
320	231	.095	.125	.530	-.349
320	232	-.025	.111	.364	-.428
320	233	.155	.162	.763	-.469
320	234	.292	.140	.778	-.134
320	235	.328	.146	.835	-.109
320	236	.365	.150	.903	-.096
320	237	.306	.155	.823	-.169
320	238	.254	.144	.812	-.161
320	239	.043	.121	.524	-.519
320	240	-.076	.112	.394	-.570
320	241	.099	.130	.640	-.402
320	242	.198	.122	.749	-.239
320	243	.269	.135	.748	-.140
320	244	.301	.133	.798	-.090
320	245	.229	.135	.753	-.177
320	246	.179	.125	.689	-.273
320	247	.007	.135	.646	-.415
320	248	-.105	.126	.359	-.545
320	249	.308	.158	.875	-.161
320	250	.313	.152	.912	-.127
320	251	.210	.118	.666	-.269
320	252	.207	.140	.836	-.324
320	253	.226	.140	.888	-.235
320	254	.347	.138	1.066	-.126
320	255	.341	.142	.958	-.167
320	256	.351	.140	.899	-.152
320	257	.311	.146	.846	-.221
320	258	.345	.147	.969	-.168
320	259	.300	.139	.967	-.103

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	260	.346	.145	1.063	-.057
320	261	.228	.137	.898	-.197
320	262	.194	.122	.705	-.192
320	263	.347	.144	.909	-.104
320	264	.067	.116	.542	-.296
320	265	-.106	.119	.322	-.488
320	301	-.281	.101	.035	-.674
320	302	-.303	.107	.022	-.813
320	303	-.328	.109	.068	-.884
320	304	-.291	.103	.077	-.655
320	305	-.281	.102	.059	-.637
320	306	-.303	.104	.046	-.721
320	307	-.284	.099	.023	-.689
320	308	-.288	.101	.047	-.706
320	309	-.276	.102	.085	-.706
320	310	-.284	.105	.053	-.671
320	311	-.301	.107	.062	-.703
320	312	-.298	.107	.071	-.697
320	313	-.298	.109	.088	-.696
320	314	-.327	.110	.082	-.752
320	315	-.329	.111	.059	-1.294
320	316	-.348	.122	.035	-1.066
320	317	-.337	.122	.046	-1.365
320	318	-.360	.127	.015	-1.714
320	319	-.239	.101	.154	-.641
320	320	-.079	.125	.474	-.439
320	321	-.119	.168	.645	-.598
320	322	-.193	.112	.251	-.544
320	323	-.179	.162	.816	-.433
320	324	-.333	.140	.162	-1.032
320	325	-.399	.152	.117	-1.518
320	326	-.341	.139	.144	-1.847
320	401	-.306	.113	.076	-.767
320	402	-.301	.108	.069	-.726
320	403	-.313	.107	.086	-.762
320	404	-.318	.102	.001	-.666
320	405	-.322	.104	.002	-.665
320	406	-.326	.109	.002	-.707
320	407	-.336	.114	.020	-.792
320	408	-.297	.103	.045	-.887
320	409	-.296	.100	.027	-.856
320	410	-.291	.099	.014	-.727
320	411	-.301	.098	.000	-.750
320	412	-.295	.096	.004	-.678
320	413	-.297	.098	.011	-.659
320	414	-.297	.098	.009	-.662
320	415	-.315	.102	.006	-.665
320	416	-.334	.114	.048	-.947
320	417	-.285	.106	.080	-.669
320	418	-.282	.105	.079	-.673
320	419	-.295	.105	.063	-.663
320	420	-.317	.101	.006	-.858
320	421	-.322	.102	.003	-.876
320	422	-.332	.105	.020	-.901
320	423	-.349	.110	.048	-.966
320	424	-.293	.099	.123	-.609
320	425	-.293	.097	.121	-.691
320	426	-.289	.097	.120	-.590
320	427	-.299	.097	.111	-.661
320	428	-.302	.096	.005	-.608
320	429	-.307	.096	.002	-.612
320	430	-.302	.098	.011	-.627
320	431	-.328	.104	.024	-.743
320	432	-.349	.113	-.045	-.826
320	433	-.327	.106	.028	-.835
320	434	-.320	.104	-.007	-.743
320	435	-.334	.106	-.036	-.758
320	436	-.333	.106	-.003	-.751
320	437	-.334	.106	.002	-.872
320	438	-.334	.111	.006	-.924
320	439	-.356	.117	.016	-.952
320	440	-.368	.138	.037	-1.161
320	441	-.368	.138	.014	-1.081
320	442	-.357	.134	.005	-.978
320	443	-.373	.139	-.001	-1.142
320	444	-.371	.113	-.044	-.844
320	445	-.365	.110	-.037	-.843
320	446	-.357	.111	-.026	-.888
320	447	-.357	.107	-.020	-.790
320	448	-.342	.102	-.051	-.829
320	449	-.339	.119	-.003	-.921
320	450	-.338	.120	.012	-.875
320	451	-.336	.110	-.006	-.774
320	452	-.309	.110	.033	-.699
320	453	-.255	.142	.186	-.907
320	454	-.319	.139	.055	-.955
320	455	-.307	.124	.038	-.772
320	456	-.388	.085	.653	.085
320	457	-.343	.124	.061	-.892
320	458	-.329	.117	.040	-.770
320	459	-.315	.114	.269	-.752
320	460	-.283	.111	.073	-.742
320	461	-.257	.109	.080	-.805
320	501	-.316	.113	.046	-.773
320	502	-.323	.111	.023	-.760
320	503	-.318	.113	.029	-.819
320	504	-.298	.113	.058	-.685
320	505	-.283	.113	.094	-.715
320	506	-.300	.116	.090	-.719
320	507	-.293	.112	.104	-.780
320	508	-.286	.112	.092	-.829
320	509	-.295	.094	.025	-.611
320	510	-.300	.093	.030	-.616
320	511	-.315	.101	.013	-.754
320	512	-.299	.100	.018	-.715
320	513	-.285	.097	.034	-.607
320	514	-.294	.102	.074	-.646
320	515	-.292	.107	.056	-.645
320	516	-.291	.110	.065	-.656
320	517	-.302	.105	.057	-.675
320	518	-.299	.102	.073	-.665
320	519	-.284	.087	.050	-.610
320	520	-.276	.089	.116	-.583
320	521	-.273	.091	.067	-.592
320	522	-.283	.093	.068	-.641
320	523	-.294	.113	.106	-.681
320	524	-.293	.114	.109	-.696
320	525	-.321	.113	.055	-.705
320	526	-.313	.112	.066	-.728
320	527	-.285	.093	.003	-.661
320	528	-.272	.089	.067	-.610
320	529	-.264	.090	.042	-.606
320	530	-.279	.090	-.008	-.608
320	531	-.287	.097	-.010	-.762
320	532	-.286	.100	.009	-.787
320	533	-.328	.106	.009	-.679
320	534	-.322	.105	.071	-.682
320	535	-.293	.097	.026	-.692
320	536	-.275	.095	.020	-.672
320	537	-.267	.092	.043	-.580
320	538	-.283	.093	.029	-.615
320	539	-.281	.095	.032	-.590
320	540	-.279	.099	.059	-.586
320	541	-.317	.098	-.022	-.647
320	542	-.317	.099	-.008	-.667
320	543	-.310	.100	.025	-.771
320	544	-.303	.097	.018	-.662
320	545	-.285	.093	.025	-.621
320	546	-.297	.098	.031	-.673
320	547	-.306	.095	-.018	-.673
320	548	-.304	.100	.054	-.712
320	549	-.287	.088	-.008	-.616
320	550	-.314	.101	-.006	-.854
320	551	-.307	.095	.068	-.641
320	552	-.285	.099	.087	-.648
320	553	-.238	.104	.137	-.771
320	554	-.247	.101	.127	-.688
320	555	-.274	.090	.040	-.591
320	556	-.280	.091	.014	-.668
320	557	-.283	.090	-.013	-.630

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	558	-.291	.094	.009	-.609
320	559	-.252	.099	.089	-.642
320	560	-.246	.101	.133	-.665
320	601	-.371	.143	.199	-1.247
320	602	-.371	.134	.056	-1.060
320	603	-.347	.128	.041	-.982
320	604	-.410	.129	.053	-1.114
320	605	-.351	.108	-.006	-.831
320	606	-.342	.117	.013	-.743
320	607	-.332	.115	.080	-.754
320	608	-.394	.117	-.001	-.932
320	609	-.329	.112	.041	-.810
320	610	-.344	.121	.134	-1.036
320	611	-.310	.116	.066	-.955
320	612	-.382	.120	.012	-.957
320	613	-.348	.120	.071	-.971
320	614	-.283	.098	.095	-.715
320	615	-.277	.102	.042	-.703
320	616	-.286	.105	.069	-.745
320	617	-.287	.106	.043	-.791
320	618	-.288	.106	.038	-.786
320	619	-.292	.105	.050	-.667
320	620	-.261	.097	.045	-.579
320	621	-.276	.099	.059	-.628
320	622	-.307	.094	-.028	-.880
320	623	-.276	.084	.058	-.533
320	624	-.276	.102	.070	-.821
320	625	-.313	.107	-.021	-.888
320	626	-.305	.110	.001	-.773
320	801	-.421	.185	.177	-1.201
320	802	-.307	.109	.060	-.853
320	803	-.261	.094	.020	-.546
320	804	-.300	.096	.053	-.605
320	805	-.267	.093	.061	-.562
320	901	-.387	.140	.126	-.971
320	902	-.376	.139	.175	-1.009
320	903	-.489	.140	-.057	-1.039
320	904	-.395	.137	.002	-.971
320	905	-.402	.123	-.027	-1.013
320	906	-.355	.109	-.008	-.885
320	907	-.459	.157	.037	-1.360
320	908	-.419	.137	.003	-1.246
320	909	-.417	.127	-.029	-.887
320	910	-.385	.121	-.017	-.908
320	911	-.492	.148	.019	-1.152
320	912	-.404	.161	.170	-1.421
320	913	-.368	.126	.090	-.837
320	914	-.385	.136	.070	-1.005
320	915	-.484	.146	-.016	-1.115
320	916	-.354	.110	-.000	-.808
320	917	-.326	.107	.011	-.810
320	918	-.303	.098	-.004	-.721
320	919	-.404	.094	-.131	-.748
320	920	-.294	.091	-.013	-.662
320	1001	-.401	.142	.014	-1.001
320	1002	-.347	.120	.022	-.849
320	1003	-.311	.101	.055	-.804
320	1004	-.292	.095	.037	-.693
320	1005	-.356	.096	-.009	-.684
320	1006	-.323	.095	.032	-.634
320	1007	-.347	.106	.030	-1.048
320	1008	-.331	.125	.034	-1.712
320	1009	-.401	.171	.119	-1.469
320	1010	-.353	.137	.035	-1.144
320	1011	-.319	.100	.037	-1.044
320	1012	-.296	.093	.025	-.798
320	1013	-.370	.108	-.016	-.953
320	1014	-.357	.114	-.008	-.997
320	1015	-.347	.111	.123	-.808
320	1016	-.331	.115	.159	-.722
320	1017	-.257	.157	.343	-.841
320	1018	-.298	.108	.128	-.666
320	1019	-.286	.092	.043	-.594
320	1020	-.274	.105	.131	-.657
320	1021	-.304	.101	-.006	-.690
320	1022	-.248	.139	.215	-.714
320	1023	-.322	.095	.039	-.653
320	1024	-.319	.106	.035	-.724
320	1101	-.321	.108	-.007	-.906
320	1102	-.304	.102	.014	-.680
320	1103	-.285	.104	.012	-.699
320	1104	-.277	.102	.066	-.809
320	1105	-.234	.107	.116	-.581
320	1106	-.102	.110	.249	-.454
320	1107	-.186	.129	.263	-.636
320	1108	-.144	.116	.250	-.516
320	1109	-.133	.124	.266	-.539
320	1201	-.226	.095	.062	-.550
320	1202	-.217	.097	.090	-.567
320	1203	-.278	.099	.030	-.686
320	1204	-.287	.097	.046	-.610
320	1205	-.224	.091	.083	-.509
320	1206	-.175	.086	.125	-.528
320	1207	-.338	.111	.066	-.715
320	1208	-.316	.105	.006	-.687
320	1209	-.296	.104	.009	-.615
330	101	-.208	.110	.171	-.653
330	102	-.084	.115	.358	-.481
330	103	-.146	.133	.365	-.582
330	104	-.005	.114	.411	-.371
330	105	-.053	.127	.456	-.462
330	106	-.023	.130	.393	-.503
330	107	.041	.122	.516	-.353
330	108	.034	.127	.537	-.539
330	109	.054	.165	.616	-.592
330	110	-.224	.106	.133	-.638
330	111	-.016	.107	.361	-.377
330	112	.160	.130	.655	-.206
330	113	.253	.136	.754	-.116
330	114	.251	.156	.816	-.175
330	115	.320	.164	.901	-.297
330	116	.290	.216	1.064	-.396
330	117	-.096	.108	.261	-.518
330	118	-.081	.125	.388	-.536
330	119	.102	.127	.601	-.280
330	120	.154	.126	.620	-.229
330	121	.261	.135	.809	-.128
330	122	.241	.151	.801	-.184
330	123	.310	.146	.853	-.102
330	124	.319	.186	.811	-.268
330	125	.304	.200	.825	-.268
330	126	-.205	.110	.162	-.571
330	127	-.044	.108	.324	-.414
330	128	.112	.120	.585	-.376
330	129	.213	.126	.661	-.316
330	130	.210	.143	.703	-.391
330	131	.272	.156	.775	-.318
330	132	.254	.183	.815	-.356
330	133	-.124	.096	.273	-.452
330	134	-.134	.111	.362	-.455
330	135	.043	.110	.542	-.291
330	136	.082	.112	.536	-.245
330	137	.176	.118	.623	-.182
330	138	.145	.131	.604	-.216
330	139	.212	.128	.643	-.240
330	140	.272	.155	.861	-.213
330	141	.237	.171	.873	-.322
330	142	-.209	.112	.186	-.668
330	143	-.089	.110	.314	-.478
330	144	.034	.108	.604	-.346
330	145	.122	.108	.667	-.260
330	146	.097	.121	.685	-.322
330	147	.150	.135	.679	-.259
330	148	.144	.152	.628	-.504
330	149	-.127	.090	.227	-.422
330	150	-.150	.097	.243	-.512
330	151	.038	.097	.443	-.281
330	152	.076	.101	.492	-.243
330	153	.172	.106	.611	-.139
330	154	.142	.121	.636	-.213

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	155	.208	.114	.693	-.114
330	156	.193	.140	.670	-.291
330	157	.165	.144	.655	-.366
330	201	.169	.156	.805	-.375
330	202	.235	.142	.800	-.188
330	203	.225	.166	.778	-.255
330	204	.201	.157	.693	-.295
330	205	.118	.165	.613	-.360
330	206	.129	.153	.601	-.351
330	207	-.030	.136	.570	-.408
330	208	-.036	.125	.435	-.456
330	209	.420	.195	1.035	-.248
330	210	.496	.180	1.078	-.081
330	211	.502	.166	1.119	-.024
330	212	.481	.157	1.009	-.075
330	213	.380	.164	.973	-.175
330	214	.313	.147	.870	-.192
330	215	-.094	.129	.625	-.418
330	216	-.032	.111	.429	-.528
330	217	.396	.195	1.016	-.235
330	218	.479	.177	1.077	-.013
330	219	.488	.161	.965	.038
330	220	.483	.154	.932	.046
330	221	.372	.157	.964	-.075
330	222	.287	.137	.884	-.156
330	223	.061	.112	.506	-.305
330	224	-.059	.101	.334	-.419
330	225	.330	.157	.944	-.229
330	226	.409	.144	.982	-.085
330	227	.419	.152	.871	-.041
330	228	.422	.142	.839	-.020
330	229	.318	.144	.797	-.060
330	230	.248	.126	.680	-.083
330	231	-.045	.122	.503	-.412
330	232	-.061	.110	.343	-.460
330	233	.251	.165	.787	-.332
330	234	.350	.125	.855	-.003
330	235	.392	.148	1.085	-.143
330	236	.389	.143	.949	-.021
330	237	.274	.151	.907	-.169
330	238	.206	.135	.739	-.207
330	239	.012	.123	.462	-.449
330	240	-.098	.112	.317	-.469
330	241	.157	.150	.684	-.272
330	242	.249	.140	.739	-.194
330	243	.294	.128	.714	-.092
330	244	.310	.123	.713	-.058
330	245	.204	.129	.666	-.188
330	246	.156	.114	.616	-.217
330	247	-.038	.120	.535	-.494
330	248	-.129	.114	.365	-.561
330	249	.278	.143	.795	-.118
330	250	.282	.135	.835	-.092
330	251	.199	.112	.543	-.194
330	252	.291	.132	.822	-.164
330	253	.264	.140	.823	-.155
330	254	.363	.139	.883	-.012
330	255	.361	.141	.840	-.033
330	256	.360	.135	.882	-.016
330	257	.322	.148	.900	-.107
330	258	.340	.140	.876	-.053
330	259	.323	.129	.751	-.002
330	260	.392	.138	.881	.020
330	261	.232	.133	.702	-.130
330	262	.204	.115	.631	-.114
330	263	.331	.169	1.051	-.091
330	264	.018	.106	.454	-.346
330	265	-.184	.112	.221	-.568
330	301	-.281	.103	.048	-.690
330	302	-.310	.107	.031	-.773
330	303	-.331	.112	-.037	-.785
330	304	-.295	.108	.010	-.711
330	305	-.281	.106	.019	-.706
330	306	-.306	.108	.009	-.717
330	307	-.274	.095	.045	-.610
330	308	-.277	.096	.047	-.630
330	309	-.260	.095	.066	-.604
330	310	-.269	.099	.123	-.619
330	311	-.304	.104	.128	-.709
330	312	-.297	.103	.126	-.681
330	313	-.289	.109	.123	-.723
330	314	-.324	.109	.098	-.754
330	315	-.322	.102	.055	-.806
330	316	-.341	.118	.015	-.853
330	317	-.325	.118	.048	-.833
330	318	-.356	.122	.027	-1.033
330	319	-.232	.092	.114	-.535
330	320	-.111	.109	.375	-.498
330	321	-.185	.136	.342	-.613
330	322	-.196	.097	.262	-.511
330	323	-.097	.145	.766	-.341
330	324	-.299	.119	.066	-.873
330	325	-.368	.127	.021	-1.005
330	326	-.317	.122	.055	-.902
330	401	-.302	.103	.082	-.675
330	402	-.284	.098	.067	-.612
330	403	-.306	.099	.056	-.623
330	404	-.311	.102	.005	-.718
330	405	-.316	.104	-.004	-.713
330	406	-.299	.104	.010	-.795
330	407	-.319	.108	.013	-.704
330	408	-.291	.091	.028	-.643
330	409	-.294	.089	.017	-.628
330	410	-.274	.087	.035	-.614
330	411	-.293	.088	.024	-.636
330	412	-.303	.095	.034	-.721
330	413	-.307	.096	.015	-.737
330	414	-.287	.094	.045	-.692
330	415	-.312	.097	.024	-.714
330	416	-.311	.101	.057	-.785
330	417	-.289	.094	.039	-.637
330	418	-.268	.093	.052	-.619
330	419	-.289	.093	.037	-.632
330	420	-.306	.097	.003	-.643
330	421	-.311	.099	-.005	-.670
330	422	-.295	.099	-.013	-.672
330	423	-.321	.104	-.026	-.700
330	424	-.302	.101	.013	-.640
330	425	-.308	.101	.012	-.640
330	426	-.286	.099	.032	-.607
330	427	-.309	.100	.005	-.635
330	428	-.289	.091	.017	-.623
330	429	-.292	.091	.013	-.630
330	430	-.268	.091	.027	-.601
330	431	-.290	.094	.059	-.661
330	432	-.293	.106	.025	-.652
330	433	-.315	.096	-.005	-.618
330	434	-.293	.092	.007	-.599
330	435	-.319	.093	-.031	-.641
330	436	-.319	.103	.017	-.687
330	437	-.323	.102	.005	-.693
330	438	-.302	.104	.038	-.688
330	439	-.329	.109	.019	-.742
330	440	-.351	.112	-.030	-.760
330	441	-.357	.112	-.030	-.763
330	442	-.331	.109	-.009	-.711
330	443	-.356	.111	.029	-.747
330	444	-.356	.106	-.070	-.832
330	445	-.355	.104	-.069	-.927
330	446	-.332	.104	-.049	-.976
330	447	-.340	.100	-.049	-.900
330	448	-.330	.112	.029	-.727
330	449	-.339	.126	.054	-.916
330	450	-.321	.127	.082	-1.094
330	451	-.334	.121	.057	-.774
330	452	-.325	.113	.010	-.787
330	453	-.295	.124	.131	-.839
330	454	-.306	.124	.050	-.808
330	455	-.321	.123	.025	-1.037
330	456	.401	.081	.647	.055

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	457	-.332	.115	.016	-.832
330	458	-.304	.111	.038	-.871
330	459	-.307	.108	.074	-.853
330	460	-.293	.114	.099	-.728
330	461	-.284	.127	.260	-.774
330	501	-.296	.117	.050	-.690
330	502	-.315	.115	.028	-.740
330	503	-.332	.119	.035	-.841
330	504	-.316	.123	.063	-.814
330	505	-.311	.119	.049	-.734
330	506	-.326	.121	.083	-.752
330	507	-.313	.120	.127	-.831
330	508	-.304	.122	.147	-.846
330	509	-.307	.099	.014	-.697
330	510	-.321	.099	-.002	-.715
330	511	-.304	.110	.042	-.661
330	512	-.295	.109	.054	-.669
330	513	-.277	.105	.050	-.639
330	514	-.292	.110	.038	-.661
330	515	-.289	.099	.040	-.649
330	516	-.287	.104	.053	-.745
330	517	-.270	.096	.048	-.592
330	518	-.285	.097	.027	-.602
330	519	-.280	.103	.027	-.751
330	520	-.276	.106	.064	-.763
330	521	-.260	.105	.092	-.719
330	522	-.279	.106	.084	-.746
330	523	-.294	.112	.111	-.871
330	524	-.291	.114	.111	-.920
330	525	-.271	.106	.053	-.643
330	526	-.282	.106	.056	-.669
330	527	-.284	.105	.104	-.638
330	528	-.284	.104	.030	-.619
330	529	-.274	.104	.064	-.680
330	530	-.294	.105	.040	-.653
330	531	-.303	.113	.035	-.871
330	532	-.300	.117	.094	-.919
330	533	-.308	.109	.059	-.742
330	534	-.316	.108	.019	-.790
330	535	-.310	.101	.122	-.655
330	536	-.303	.098	.115	-.588
330	537	-.293	.098	.073	-.607
330	538	-.317	.101	.045	-.650
330	539	-.322	.104	.049	-.677
330	540	-.318	.109	.064	-.694
330	541	-.313	.100	.060	-.830
330	542	-.327	.103	.063	-.880
330	543	-.311	.106	.053	-.786
330	544	-.300	.105	.063	-.669
330	545	-.273	.104	.174	-.694
330	546	-.335	.124	.115	-.813
330	547	-.342	.110	.022	-.840
330	548	-.336	.114	.058	-.858
330	549	-.275	.094	.062	-.645
330	550	-.301	.100	.048	-.745
330	551	-.303	.099	.011	-.669
330	552	-.257	.116	.183	-.670
330	553	-.240	.109	.154	-.634
330	554	-.239	.108	.130	-.669
330	555	-.244	.101	.090	-.564
330	556	-.247	.107	.119	-.586
330	557	-.236	.121	.367	-.656
330	558	-.290	.131	.072	-.874
330	559	-.273	.110	.218	-.792
330	560	-.261	.109	.239	-.613
330	601	-.372	.139	.145	-.916
330	602	-.400	.143	.042	-1.005
330	603	-.375	.143	.039	-1.354
330	604	-.456	.138	-.026	-1.199
330	605	-.372	.128	.070	-.864
330	606	-.375	.138	.057	-1.195
330	607	-.338	.122	.093	-1.107
330	608	-.446	.128	.009	-1.048
330	609	-.345	.115	.006	-.886
330	610	-.341	.125	.053	-.987
330	611	-.311	.130	.065	-.943
330	612	-.423	.142	-.017	-1.161
330	613	-.341	.122	.097	-.836
330	614	-.330	.106	-.001	-.803
330	615	-.330	.116	.016	-1.041
330	616	-.326	.115	.027	-.785
330	617	-.355	.122	.041	-.988
330	618	-.375	.154	.016	-1.033
330	619	-.327	.106	.008	-.708
330	620	-.244	.098	.269	-.613
330	621	-.287	.109	.197	-.708
330	622	-.324	.110	.013	-.755
330	623	-.273	.099	.043	-.624
330	624	-.267	.115	.186	-.771
330	625	-.337	.123	.026	-.883
330	626	-.352	.141	.042	-1.031
330	801	-.371	.173	.146	-1.148
330	802	-.282	.109	.137	-.768
330	803	-.237	.104	.140	-.702
330	804	-.270	.101	.088	-.637
330	805	-.238	.099	.195	-.595
330	901	-.374	.135	.071	-1.191
330	902	-.370	.135	.088	-1.122
330	903	-.497	.142	-.086	-1.343
330	904	-.396	.132	.021	-.938
330	905	-.384	.122	-.068	-1.003
330	906	-.334	.107	-.021	-.738
330	907	-.447	.156	.156	-1.187
330	908	-.400	.133	-.053	-.969
330	909	-.411	.132	.058	-.867
330	910	-.379	.125	.057	-.832
330	911	-.487	.149	.034	-1.097
330	912	-.407	.158	.050	-1.154
330	913	-.358	.120	.035	-.973
330	914	-.377	.130	.038	-1.024
330	915	-.490	.145	-.055	-1.214
330	916	-.332	.105	.002	-.779
330	917	-.321	.099	.025	-.820
330	918	-.298	.087	.005	-.566
330	919	-.422	.086	-.110	-.676
330	920	-.282	.097	.049	-.682
330	1001	-.365	.138	.138	-1.070
330	1002	-.365	.137	.017	-1.003
330	1003	-.346	.105	.035	-.768
330	1004	-.330	.098	.016	-.729
330	1005	-.395	.093	-.033	-.748
330	1006	-.350	.089	-.042	-.719
330	1007	-.345	.103	.077	-.705
330	1008	-.330	.107	.089	-.816
330	1009	-.384	.203	.171	-1.383
330	1010	-.395	.224	.220	-1.709
330	1011	-.345	.146	.202	-1.865
330	1012	-.327	.115	.077	-.848
330	1013	-.396	.118	.045	-.804
330	1014	-.344	.113	.034	-.933
330	1015	-.350	.092	-.019	-.663
330	1016	-.333	.095	-.022	-.636
330	1017	-.161	.152	.389	-.713
330	1018	-.280	.117	.351	-.599
330	1019	-.271	.101	.105	-.639
330	1020	-.309	.111	.134	-.776
330	1021	-.308	.104	.062	-.673
330	1022	-.176	.153	.289	-.764
330	1023	-.300	.104	.006	-.697
330	1024	-.308	.104	.008	-.737
330	1101	-.302	.100	.046	-.665
330	1102	-.305	.101	.006	-.688
330	1103	-.308	.108	.028	-.750
330	1104	-.282	.105	.022	-.683
330	1105	-.276	.103	.153	-.649
330	1106	-.167	.103	.263	-.485
330	1107	-.252	.122	.302	-.703
330	1108	-.204	.110	.248	-.585
330	1109	-.200	.114	.276	-.579
330	1201	-.195	.090	.139	-.601

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	1202	-.185	.092	.135	-.631
330	1203	-.234	.092	.075	-.631
330	1204	-.269	.094	.025	-.644
330	1205	-.209	.089	.062	-.594
330	1206	-.147	.090	.153	-.436
330	1207	-.302	.112	.090	-.824
330	1208	-.266	.104	.090	-.623
330	1209	-.254	.103	.123	-.575
340	101	-.193	.123	.224	-.734
340	102	-.011	.131	.625	-.569
340	103	-.049	.135	.435	-.498
340	104	.077	.132	.557	-.446
340	105	.030	.147	.589	-.471
340	106	.035	.129	.534	-.373
340	107	.123	.141	.643	-.332
340	108	.127	.147	.654	-.401
340	109	.196	.163	.768	-.384
340	110	-.208	.129	.224	-.638
340	111	.058	.130	.495	-.364
340	112	.285	.152	.824	-.134
340	113	.391	.159	.951	-.064
340	114	.402	.179	1.014	-.126
340	115	.476	.173	.989	-.060
340	116	.457	.188	1.014	-.293
340	117	-.096	.122	.312	-.484
340	118	-.038	.136	.387	-.500
340	119	.184	.138	.637	-.291
340	120	.251	.128	.693	-.179
340	121	.364	.136	.828	-.084
340	122	.351	.152	.843	-.128
340	123	.415	.145	.859	-.040
340	124	.450	.178	1.051	-.080
340	125	.456	.187	1.068	-.202
340	126	-.190	.123	.234	-.630
340	127	.016	.123	.425	-.471
340	128	.201	.131	.608	-.193
340	129	.315	.136	.797	-.080
340	130	.319	.151	.866	-.113
340	131	.395	.146	.906	-.035
340	132	.393	.167	1.004	-.384
340	133	-.117	.115	.258	-.573
340	134	-.094	.121	.368	-.508
340	135	.111	.114	.507	-.279
340	136	.145	.111	.546	-.184
340	137	.248	.115	.654	-.079
340	138	.221	.127	.647	-.125
340	139	.290	.122	.687	-.042
340	140	.357	.164	.947	-.070
340	141	.354	.176	.974	-.129
340	142	-.178	.111	.228	-.769

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	143	-.054	.111	.302	-.558
340	144	.083	.113	.499	-.235
340	145	.184	.118	.650	-.127
340	146	.166	.134	.686	-.236
340	147	.242	.138	.753	-.342
340	148	.218	.149	.765	-.271
340	149	-.107	.104	.244	-.479
340	150	-.123	.114	.327	-.515
340	151	.080	.115	.573	-.285
340	152	.142	.109	.517	-.224
340	153	.248	.118	.701	-.103
340	154	.225	.136	.701	-.168
340	155	.285	.125	.724	-.063
340	156	.273	.138	.883	-.163
340	157	.270	.143	.872	-.229
340	201	.186	.166	.812	-.289
340	202	.229	.150	.780	-.233
340	203	.152	.137	.557	-.320
340	204	.125	.128	.580	-.308
340	205	.009	.137	.589	-.467
340	206	.038	.123	.641	-.459
340	207	-.047	.118	.392	-.448
340	208	-.094	.108	.284	-.469
340	209	.396	.186	1.021	-.164
340	210	.447	.169	1.007	-.154
340	211	.435	.160	.922	-.094
340	212	.393	.148	.855	-.097
340	213	.255	.152	.747	-.273
340	214	.200	.128	.702	-.264
340	215	.002	.106	.378	-.431
340	216	-.092	.095	.263	-.500
340	217	.430	.162	.979	-.109
340	218	.483	.147	.988	.032
340	219	.458	.159	1.086	.013
340	220	.419	.150	.960	.023
340	221	.267	.152	.778	-.190
340	222	.188	.127	.651	-.186
340	223	.004	.103	.428	-.370
340	224	-.089	.093	.448	-.415
340	225	.373	.175	1.118	-.126
340	226	.433	.158	1.115	-.051
340	227	.395	.142	.903	-.030
340	228	.374	.133	.881	-.039
340	229	.232	.139	.682	-.233
340	230	.170	.117	.556	-.252
340	231	-.025	.108	.356	-.364
340	232	-.099	.098	.263	-.414
340	233	.278	.153	.825	-.159
340	234	.366	.153	.884	-.056
340	235	.350	.141	.947	-.007

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	236	.340	.134	.894	-.023
340	237	.205	.142	.772	-.190
340	238	.154	.122	.612	-.173
340	239	-.052	.109	.314	-.375
340	240	-.143	.100	.175	-.458
340	241	.217	.153	.898	-.291
340	242	.297	.140	.901	-.164
340	243	.271	.121	.657	-.100
340	244	.276	.113	.649	-.077
340	245	.143	.121	.633	-.248
340	246	.111	.110	.558	-.241
340	247	-.082	.104	.321	-.393
340	248	-.159	.100	.194	-.502
340	249	.215	.133	.715	-.203
340	250	.227	.119	.632	-.135
340	251	.140	.120	.557	-.252
340	252	.308	.147	.961	-.112
340	253	.253	.163	.951	-.208
340	254	.342	.156	.962	-.110
340	255	.341	.136	.936	-.090
340	256	.338	.129	.879	-.084
340	257	.301	.148	.953	-.176
340	258	.311	.131	.823	-.109
340	259	.248	.122	.741	-.171
340	260	.342	.140	1.110	-.122
340	261	.137	.127	.666	-.320
340	262	.141	.107	.573	-.249
340	263	.272	.151	.913	-.216
340	264	-.007	.108	.388	-.378
340	265	-.220	.117	.203	-.634
340	301	-.265	.102	.072	-.630
340	302	-.298	.107	.051	-.668
340	303	-.299	.103	.028	-.702
340	304	-.266	.100	.046	-.618
340	305	-.254	.098	.049	-.612
340	306	-.278	.099	.030	-.649
340	307	-.264	.095	.089	-.651
340	308	-.267	.097	.085	-.649
340	309	-.251	.095	.089	-.617
340	310	-.246	.103	.144	-.633
340	311	-.292	.105	.020	-.668
340	312	-.284	.103	.023	-.683
340	313	-.290	.108	.019	-.745
340	314	-.329	.112	-.034	-.799
340	315	-.315	.096	.046	-.641
340	316	-.319	.104	.026	-.713
340	317	-.308	.104	.064	-.695
340	318	-.334	.107	.038	-.723
340	319	-.207	.090	.098	-.521
340	320	-.124	.103	.364	-.451

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	321	-.142	.123	.371	-.324
340	322	-.168	.095	.170	-.503
340	323	-.039	.148	.574	-.406
340	324	-.286	.115	.094	-.797
340	325	-.333	.120	.073	-.869
340	326	-.314	.119	.061	-.959
340	401	-.315	.101	.055	-.688
340	402	-.313	.099	.044	-.697
340	403	-.322	.101	.026	-.695
340	404	-.321	.110	.026	-.760
340	405	-.321	.112	.020	-.773
340	406	-.313	.113	.045	-.738
340	407	-.318	.116	.050	-.777
340	408	-.304	.097	.054	-.608
340	409	-.306	.095	.053	-.613
340	410	-.301	.095	.064	-.602
340	411	-.306	.095	.066	-.614
340	412	-.298	.102	.057	-.611
340	413	-.298	.103	.067	-.620
340	414	-.295	.101	.063	-.609
340	415	-.303	.103	.078	-.612
340	416	-.312	.107	.050	-.751
340	417	-.280	.099	.071	-.634
340	418	-.274	.098	.064	-.626
340	419	-.280	.098	.060	-.653
340	420	-.271	.097	.010	-.691
340	421	-.271	.098	.028	-.656
340	422	-.269	.098	.029	-.640
340	423	-.279	.099	.015	-.670
340	424	-.263	.098	.070	-.577
340	425	-.264	.098	.062	-.589
340	426	-.259	.097	.080	-.586
340	427	-.263	.097	.097	-.597
340	428	-.289	.096	.081	-.631
340	429	-.286	.096	.077	-.628
340	430	-.281	.097	.107	-.622
340	431	-.286	.098	.117	-.635
340	432	-.266	.093	.034	-.654
340	433	-.313	.095	.033	-.708
340	434	-.309	.093	-.009	-.679
340	435	-.319	.093	-.005	-.708
340	436	-.351	.107	-.014	-.774
340	437	-.344	.103	-.018	-.717
340	438	-.333	.102	-.016	-.658
340	439	-.343	.106	.037	-.686
340	440	-.332	.110	.066	-.780
340	441	-.335	.111	.062	-.766
340	442	-.326	.108	.072	-.669
340	443	-.338	.108	.061	-.726
340	444	-.347	.109	-.038	-.865
340	445	-.339	.105	-.024	-.779
340	446	-.334	.105	.018	-.794
340	447	-.329	.100	-.019	-.691
340	448	-.320	.103	-.020	-.796
340	449	-.321	.127	.060	-1.267
340	450	-.317	.122	.067	-.955
340	451	-.317	.117	.033	-.863
340	452	-.304	.106	.051	-.706
340	453	-.280	.125	.210	-.846
340	454	-.304	.120	.040	-.890
340	455	-.307	.119	.029	-.876
340	456	-.404	.084	.646	.120
340	457	-.316	.120	.046	-.845
340	458	-.308	.118	.039	-.761
340	459	-.296	.114	.095	-.753
340	460	-.294	.107	.128	-.730
340	461	-.296	.116	.155	-.727
340	501	-.304	.116	.120	-.834
340	502	-.308	.113	.092	-.817
340	503	-.305	.111	.084	-.725
340	504	-.305	.116	.082	-.829
340	505	-.289	.109	.072	-.795
340	506	-.300	.113	.082	-.765
340	507	-.294	.113	.072	-.733
340	508	-.285	.113	.066	-.786
340	509	-.285	.099	.011	-.627
340	510	-.306	.100	-.004	-.657
340	511	-.287	.097	.021	-.666
340	512	-.279	.096	.029	-.597
340	513	-.255	.092	.054	-.547
340	514	-.267	.097	.059	-.627
340	515	-.274	.099	.055	-.624
340	516	-.270	.104	.075	-.666
340	517	-.260	.093	.032	-.617
340	518	-.279	.094	.017	-.630
340	519	-.285	.093	.017	-.559
340	520	-.279	.093	.036	-.597
340	521	-.257	.093	.055	-.620
340	522	-.272	.100	.052	-.675
340	523	-.259	.101	.106	-.593
340	524	-.255	.104	.107	-.597
340	525	-.237	.095	.108	-.601
340	526	-.255	.095	.043	-.614
340	527	-.285	.098	.065	-.737
340	528	-.285	.097	.038	-.711
340	529	-.266	.098	.052	-.669
340	530	-.279	.099	.059	-.686
340	531	-.277	.102	.061	-.659
340	532	-.272	.108	.095	-.694
340	533	-.289	.101	.018	-.689
340	534	-.305	.101	-.004	-.695
340	535	-.295	.094	.031	-.600
340	536	-.296	.097	.025	-.610
340	537	-.294	.103	.041	-.738
340	538	-.319	.106	.032	-.698
340	539	-.319	.110	.027	-.716
340	540	-.312	.115	.047	-.769
340	541	-.286	.097	.063	-.642
340	542	-.301	.100	.043	-.655
340	543	-.296	.097	.027	-.710
340	544	-.274	.097	.067	-.623
340	545	-.253	.093	.075	-.594
340	546	-.340	.115	.012	-.791
340	547	-.315	.106	.037	-.791
340	548	-.303	.112	.113	-.818
340	549	-.230	.093	.069	-.635
340	550	-.265	.100	.042	-.868
340	551	-.283	.100	.055	-.642
340	552	-.193	.121	.330	-.589
340	553	-.202	.108	.155	-.619
340	554	-.188	.105	.180	-.526
340	555	-.176	.099	.153	-.504
340	556	-.171	.111	.274	-.527
340	557	-.139	.145	.580	-.615
340	558	-.289	.136	.154	-.815
340	559	-.263	.110	.128	-.697
340	560	-.245	.108	.147	-.646
340	601	-.311	.125	.149	-.936
340	602	-.386	.146	.099	-.995
340	603	-.503	.220	-.024	-1.591
340	604	-.465	.141	.004	-1.309
340	605	-.398	.155	.084	-1.091
340	606	-.502	.205	.171	-1.226
340	607	-.338	.136	.278	-1.045
340	608	-.559	.194	-.028	-1.608
340	609	-.441	.194	.197	-1.425
340	610	-.357	.137	.129	-.994
340	611	-.386	.172	.078	-1.386
340	612	-.555	.208	-.123	-1.534
340	613	-.371	.135	.060	-1.098
340	614	-.413	.150	-.047	-1.073
340	615	-.424	.178	-.009	-1.246
340	616	-.363	.138	.159	-1.126
340	617	-.423	.158	.042	-1.056
340	618	-.472	.187	.036	-1.411
340	619	-.342	.113	-.008	-.791
340	620	-.216	.120	.364	-.651
340	621	-.234	.146	.299	-.715
340	622	-.299	.116	.209	-.722
340	623	-.207	.137	.354	-.688

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	624	-.254	.118	.185	-.771
340	625	-.336	.134	.263	-.896
340	626	-.391	.154	.020	-1.100
340	801	-.268	.162	.229	-.982
340	802	-.211	.111	.230	-.636
340	803	-.181	.114	.223	-.581
340	804	-.209	.114	.183	-.610
340	805	-.161	.123	.311	-.557
340	901	-.363	.147	.188	-1.074
340	902	-.370	.153	.115	-1.147
340	903	-.517	.164	-.022	-1.445
340	904	-.401	.151	.070	-1.326
340	905	-.402	.135	-.023	-1.001
340	906	-.349	.120	.005	-.788
340	907	-.504	.167	-.022	-1.421
340	908	-.416	.142	-.028	-.931
340	909	-.417	.143	-.027	-1.152
340	910	-.387	.136	-.017	-1.046
340	911	-.506	.155	-.044	-1.324
340	912	-.413	.159	.108	-1.034
340	913	-.369	.114	.021	-.873
340	914	-.386	.125	.020	-.871
340	915	-.510	.139	-.038	-1.032
340	916	-.335	.106	.009	-.722
340	917	-.317	.115	.057	-.867
340	918	-.310	.106	.030	-1.131
340	919	-.456	.102	-.097	-.837
340	920	-.276	.103	.070	-.795
340	1001	-.318	.124	.226	-.798
340	1002	-.318	.145	.293	-1.110
340	1003	-.350	.130	.068	-1.019
340	1004	-.353	.127	.033	-.901
340	1005	-.387	.115	-.003	-.820
340	1006	-.368	.110	-.027	-.890
340	1007	-.355	.107	-.026	-.782
340	1008	-.338	.108	-.003	-.865
340	1009	-.346	.229	.320	-1.244
340	1010	-.350	.295	.492	-1.582
340	1011	-.353	.192	.224	-1.995
340	1012	-.358	.123	.003	-.916
340	1013	-.379	.117	-.025	-.924
340	1014	-.363	.104	.006	-.815
340	1015	-.366	.101	-.039	-.769
340	1016	-.342	.101	-.006	-.767
340	1017	-.103	.131	.393	-.560
340	1018	-.198	.172	.474	-.639
340	1019	-.262	.100	.070	-.637
340	1020	-.325	.114	.096	-.750
340	1021	-.281	.099	.046	-.677
340	1022	-.114	.146	.362	-.692

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	1023	-.275	.108	.057	-.663
340	1024	-.287	.106	.033	-.618
340	1101	-.325	.106	.010	-.732
340	1102	-.293	.111	.077	-.730
340	1103	-.271	.129	.387	-.715
340	1104	-.302	.098	.007	-.658
340	1105	-.329	.098	.069	-.646
340	1106	-.236	.100	.110	-.524
340	1107	-.297	.120	.140	-.866
340	1108	-.255	.114	.131	-.752
340	1109	-.275	.118	.106	-.716
340	1201	-.180	.095	.169	-.549
340	1202	-.175	.098	.152	-.534
340	1203	-.220	.095	.104	-.557
340	1204	-.257	.100	.064	-.618
340	1205	-.199	.094	.111	-.534
340	1206	-.165	.092	.140	-.429
340	1207	-.270	.106	.158	-.706
340	1208	-.254	.105	.090	-.688
340	1209	-.241	.108	.094	-.572
350	101	-.122	.145	.432	-.612
350	102	.049	.147	.576	-.414
350	103	.030	.143	.837	-.414
350	104	.128	.143	.616	-.324
350	105	.070	.157	.602	-.454
350	106	.097	.129	.565	-.337
350	107	.159	.149	.742	-.302
350	108	.209	.163	.744	-.386
350	109	.264	.169	.867	-.342
350	110	.174	.164	.697	-.781
350	111	.162	.156	.899	-.340
350	112	.366	.162	1.024	-.094
350	113	.458	.164	1.091	-.016
350	114	.450	.183	1.118	-.118
350	115	.501	.173	1.077	-.065
350	116	.489	.198	1.070	-.048
350	117	.069	.139	.471	-.534
350	118	.040	.156	.577	-.446
350	119	.283	.153	.795	-.190
350	120	.343	.154	.840	-.105
350	121	.451	.161	.922	-.006
350	122	.435	.181	1.003	-.091
350	123	.490	.170	1.020	-.016
350	124	.481	.163	1.071	-.045
350	125	.473	.161	1.012	-.060
350	126	.184	.156	.373	-.710
350	127	.072	.142	.566	-.338
350	128	.288	.149	.835	-.197
350	129	.393	.153	.885	-.060
350	130	.384	.171	.890	-.106

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	131	.442	.163	.915	-.010
350	132	.460	.170	1.020	-.088
350	133	.109	.124	.426	-.595
350	134	.049	.145	.508	-.569
350	135	.179	.136	.652	-.254
350	136	.225	.138	.802	-.197
350	137	.331	.145	.914	-.074
350	138	.307	.162	.942	-.135
350	139	.372	.154	.943	-.055
350	140	.375	.133	.953	-.024
350	141	.379	.134	.913	-.001
350	142	.149	.116	.276	-.547
350	143	.005	.116	.423	-.417
350	144	.145	.128	.845	-.266
350	145	.243	.128	.987	-.131
350	146	.222	.140	.985	-.200
350	147	.300	.129	.903	-.125
350	148	.289	.135	.814	-.116
350	149	.064	.117	.500	-.530
350	150	.070	.126	.472	-.532
350	151	.149	.124	.689	-.262
350	152	.190	.127	.692	-.228
350	153	.289	.130	.831	-.116
350	154	.259	.148	.887	-.175
350	155	.316	.135	.923	-.090
350	156	.330	.133	.845	-.094
350	157	.332	.130	.855	-.115
350	201	.120	.191	.729	-.658
350	202	.183	.160	.672	-.546
350	203	.123	.137	.600	-.345
350	204	.099	.127	.597	-.308
350	205	.042	.137	.523	-.473
350	206	.004	.118	.538	-.374
350	207	.091	.109	.279	-.408
350	208	.125	.101	.217	-.444
350	209	.345	.215	.905	-.369
350	210	.409	.193	.907	-.286
350	211	.378	.151	.922	-.078
350	212	.333	.138	1.080	-.098
350	213	.165	.144	.705	-.299
350	214	.126	.120	.581	-.270
350	215	.055	.103	.305	-.417
350	216	.125	.093	.173	-.462
350	217	.354	.193	1.094	-.442
350	218	.420	.171	1.074	-.346
350	219	.387	.146	.970	-.090
350	220	.346	.131	.924	-.064
350	221	.168	.134	.730	-.216
350	222	.118	.113	.521	-.218
350	223	.062	.102	.366	-.443

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	224	-.126	.096	.234	-.508
350	225	.319	.180	1.003	-.216
350	226	.390	.160	.999	-.097
350	227	.379	.140	.918	-.014
350	228	.345	.130	.824	-.030
350	229	.172	.137	.669	-.242
350	230	.124	.115	.521	-.220
350	231	-.062	.102	.268	-.459
350	232	-.114	.099	.229	-.493
350	233	.242	.160	.751	-.314
350	234	.359	.141	.846	-.229
350	235	.332	.128	.850	-.042
350	236	.307	.117	.764	-.049
350	237	.136	.124	.629	-.229
350	238	.101	.106	.502	-.235
350	239	-.070	.107	.326	-.417
350	240	-.141	.100	.177	-.458
350	241	.194	.154	.725	-.356
350	242	.279	.139	.743	-.228
350	243	.265	.124	.722	-.160
350	244	.260	.116	.657	-.105
350	245	.098	.125	.523	-.293
350	246	.080	.107	.565	-.258
350	247	-.085	.095	.276	-.425
350	248	-.153	.091	.179	-.460
350	249	.221	.128	.725	-.199
350	250	.236	.112	.681	-.146
350	251	.123	.103	.706	-.185
350	252	.329	.127	1.093	-.029
350	253	.250	.143	.867	-.142
350	254	.335	.131	.961	-.035
350	255	.314	.136	.833	-.080
350	256	.312	.126	.771	-.082
350	257	.271	.157	.858	-.159
350	258	.279	.127	.732	-.120
350	259	.214	.109	.600	-.147
350	260	.318	.127	.773	-.071
350	261	.086	.118	.587	-.288
350	262	.113	.100	.575	-.218
350	263	.229	.133	.886	-.130
350	264	-.037	.095	.378	-.374
350	265	-.273	.108	.164	-.727
350	301	-.239	.096	.139	-.588
350	302	-.272	.102	.115	-.638
350	303	-.297	.105	.170	-.698
350	304	-.260	.096	.116	-.646
350	305	-.251	.095	.131	-.632
350	306	-.275	.096	.119	-.681
350	307	-.254	.094	.069	-.622
350	308	-.256	.095	.083	-.619

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	309	-.244	.094	.087	-.598
350	310	-.234	.096	.120	-.577
350	311	-.249	.093	.116	-.618
350	312	-.244	.092	.095	-.611
350	313	-.255	.096	.086	-.621
350	314	-.290	.097	.056	-.650
350	315	-.304	.099	.001	-.717
350	316	-.296	.106	.015	-.695
350	317	-.285	.104	.038	-.666
350	318	-.312	.106	.010	-.707
350	319	-.195	.090	.139	-.464
350	320	-.162	.101	.237	-.477
350	321	-.184	.115	.255	-.530
350	322	-.173	.099	.189	-.524
350	323	-.054	.144	.541	-.507
350	324	-.264	.109	.083	-.663
350	325	-.320	.115	.044	-.738
350	326	-.292	.114	.051	-.788
350	401	-.276	.113	.124	-.690
350	402	-.291	.112	.099	-.770
350	403	-.284	.113	.131	-.644
350	404	-.290	.111	.068	-.716
350	405	-.286	.111	.062	-.683
350	406	-.292	.111	.064	-.673
350	407	-.284	.111	.050	-.658
350	408	-.263	.094	.036	-.554
350	409	-.262	.092	.022	-.552
350	410	-.273	.093	.017	-.572
350	411	-.266	.093	.032	-.561
350	412	-.279	.093	.020	-.593
350	413	-.276	.094	.028	-.590
350	414	-.292	.093	.022	-.605
350	415	-.287	.093	.016	-.591
350	416	-.292	.098	.012	-.641
350	417	-.259	.093	.051	-.545
350	418	-.272	.094	.038	-.563
350	419	-.260	.094	.052	-.562
350	420	-.259	.092	.057	-.620
350	421	-.259	.096	.063	-.653
350	422	-.281	.097	.034	-.741
350	423	-.278	.099	.117	-.825
350	424	-.241	.093	.049	-.579
350	425	-.241	.092	.037	-.571
350	426	-.253	.093	.011	-.571
350	427	-.239	.091	.028	-.550
350	428	-.244	.099	.043	-.596
350	429	-.238	.097	.047	-.619
350	430	-.259	.099	.031	-.676
350	431	-.255	.101	.070	-.719
350	432	-.263	.099	.083	-.598

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	433	-.299	.099	.038	-.650
350	434	-.318	.098	-.005	-.700
350	435	-.306	.097	.016	-.719
350	436	-.289	.101	.023	-.692
350	437	-.281	.099	.026	-.678
350	438	-.304	.100	-.005	-.746
350	439	-.294	.099	-.015	-.773
350	440	-.307	.108	.029	-.715
350	441	-.308	.110	.023	-.833
350	442	-.322	.109	.008	-.762
350	443	-.314	.110	.024	-.714
350	444	-.322	.109	.039	-.802
350	445	-.301	.102	.046	-.682
350	446	-.320	.101	.028	-.657
350	447	-.293	.097	.088	-.635
350	448	-.272	.095	.054	-.656
350	449	-.291	.102	.027	-.858
350	450	-.309	.107	.037	-.897
350	451	-.274	.112	.163	-.680
350	452	-.246	.109	.196	-.688
350	453	-.216	.109	.151	-.656
350	454	-.310	.112	.074	-.833
350	455	-.308	.124	.077	-1.045
350	456	.391	.080	.653	.069
350	457	-.280	.115	.125	-.924
350	458	-.304	.114	.049	-.828
350	459	-.262	.112	.154	-.704
350	460	-.230	.106	.179	-.563
350	461	-.229	.115	.222	-.672
350	501	-.307	.111	.059	-.898
350	502	-.291	.107	.058	-.743
350	503	-.293	.109	.066	-.788
350	504	-.298	.108	.032	-.771
350	505	-.276	.100	.032	-.679
350	506	-.281	.106	.078	-.715
350	507	-.276	.111	.079	-.903
350	508	-.266	.109	.101	-.909
350	509	-.282	.103	.066	-.636
350	510	-.300	.104	.049	-.662
350	511	-.285	.096	.039	-.618
350	512	-.273	.094	.036	-.597
350	513	-.249	.090	.034	-.561
350	514	-.260	.094	.059	-.583
350	515	-.269	.099	.075	-.626
350	516	-.261	.102	.102	-.669
350	517	-.289	.106	.018	-.700
350	518	-.306	.106	-.002	-.710
350	519	-.270	.087	.005	-.553
350	520	-.258	.088	.015	-.545
350	521	-.232	.088	.034	-.553

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	522	-.242	.092	.027	-.588
350	523	-.248	.103	.078	-.670
350	524	-.241	.106	.085	-.702
350	525	-.276	.107	.068	-.760
350	526	-.293	.107	.070	-.807
350	527	-.283	.103	.082	-.674
350	528	-.276	.100	.078	-.639
350	529	-.252	.098	.084	-.604
350	530	-.261	.098	.065	-.631
350	531	-.267	.099	.066	-.702
350	532	-.260	.104	.095	-.721
350	533	-.285	.099	.069	-.664
350	534	-.305	.101	.051	-.712
350	535	-.300	.097	.025	-.669
350	536	-.302	.102	.041	-.690
350	537	-.293	.103	.026	-.655
350	538	-.308	.104	.008	-.661
350	539	-.316	.101	.044	-.665
350	540	-.308	.106	.070	-.715
350	541	-.256	.090	.076	-.643
350	542	-.275	.094	.061	-.680
350	543	-.276	.097	.045	-.648
350	544	-.237	.095	.125	-.623
350	545	-.253	.096	.072	-.621
350	546	-.310	.109	.097	-.680
350	547	-.313	.109	.009	-.766
350	548	-.300	.114	.048	-.937
350	549	-.216	.092	.148	-.574
350	550	-.254	.094	.043	-.628
350	551	-.246	.094	.091	-.814
350	552	-.162	.112	.266	-.586
350	553	-.165	.104	.244	-.536
350	554	-.165	.096	.232	-.488
350	555	-.145	.097	.189	-.468
350	556	-.099	.106	.234	-.475
350	557	-.057	.147	.546	-.478
350	558	-.291	.127	.092	-.908
350	559	-.216	.105	.171	-.649
350	560	-.198	.106	.197	-.637
350	601	-.266	.113	.141	-.853
350	602	-.221	.157	.279	-1.009
350	603	-.524	.218	.100	-1.693
350	604	-.376	.134	.054	-1.062
350	605	-.372	.208	.189	-1.102
350	606	-.633	.205	.034	-1.325
350	607	-.264	.140	.093	-1.167
350	608	-.643	.255	.072	-1.491
350	609	-.592	.217	.089	-1.432
350	610	-.324	.152	.111	-1.185
350	611	-.429	.227	.194	-1.366
350	612	-.728	.235	-.094	-1.889
350	613	-.351	.146	.067	-1.137
350	614	-.434	.198	.117	-1.171
350	615	-.537	.206	-.011	-1.275
350	616	-.302	.121	.092	-.977
350	617	-.411	.181	.185	-1.211
350	618	-.488	.174	.083	-1.378
350	619	-.280	.097	.106	-.634
350	620	-.140	.109	.240	-.584
350	621	-.083	.135	.355	-.555
350	622	-.225	.127	.370	-.620
350	623	-.047	.140	.454	-.553
350	624	-.190	.113	.211	-.592
350	625	-.260	.150	.274	-.844
350	626	-.370	.167	.196	-1.157
350	801	-.157	.122	.255	-.763
350	802	-.185	.103	.163	-.555
350	803	-.136	.109	.317	-.513
350	804	-.181	.113	.227	-.838
350	805	-.052	.131	.408	-.517
350	901	-.339	.150	.189	-1.028
350	902	-.371	.165	.170	-1.212
350	903	-.553	.188	.073	-1.544
350	904	-.413	.159	.022	-1.252
350	905	-.397	.135	.034	-1.079
350	906	-.344	.118	.052	-1.150
350	907	-.522	.168	.004	-1.362
350	908	-.410	.141	.058	-1.083
350	909	-.434	.151	-.021	-.969
350	910	-.405	.147	.018	-.964
350	911	-.531	.156	-.092	-1.183
350	912	-.438	.164	.058	-1.284
350	913	-.395	.132	.007	-.930
350	914	-.408	.141	.010	-1.034
350	915	-.554	.159	-.057	-1.233
350	916	-.323	.115	.047	-.801
350	917	-.280	.113	.079	-.911
350	918	-.314	.120	.043	-.987
350	919	-.469	.113	-.134	-.852
350	920	-.259	.113	.148	-.822
350	1001	-.347	.108	.114	-.730
350	1002	-.271	.133	.271	-.766
350	1003	-.300	.133	.240	-.765
350	1004	-.322	.126	.181	-.797
350	1005	-.374	.116	.092	-.818
350	1006	-.343	.109	.058	-.733
350	1007	-.326	.105	.017	-.825
350	1008	-.308	.101	.048	-.823
350	1009	-.421	.218	.176	-1.210
350	1010	-.323	.296	.606	-1.452
350	1011	-.296	.237	.472	-1.584
350	1012	-.318	.120	.029	-.860
350	1013	-.348	.119	.008	-.903
350	1014	-.346	.108	-.015	-.711
350	1015	-.326	.099	-.004	-.699
350	1016	-.299	.101	.003	-.662
350	1017	-.174	.111	.316	-.565
350	1018	-.084	.216	.803	-.523
350	1019	-.219	.097	.067	-.617
350	1020	-.280	.111	.093	-.668
350	1021	-.244	.095	.018	-.578
350	1022	-.077	.113	.281	-.564
350	1023	-.255	.098	.057	-.715
350	1024	-.262	.095	.114	-.610
350	1101	-.320	.118	.051	-.898
350	1102	-.274	.102	.105	-.638
350	1103	-.196	.131	.443	-.583
350	1104	-.264	.096	.015	-.651
350	1105	-.305	.095	.055	-.634
350	1106	-.236	.099	.129	-.625
350	1107	-.272	.108	.064	-.684
350	1108	-.247	.104	.079	-.628
350	1109	-.284	.106	.044	-.667
350	1201	-.159	.094	.286	-.492
350	1202	-.160	.095	.247	-.516
350	1203	-.184	.096	.200	-.511
350	1204	-.228	.092	.090	-.511
350	1205	-.178	.087	.126	-.440
350	1206	-.146	.088	.198	-.450
350	1207	-.228	.101	.128	-.612
350	1208	-.229	.092	.074	-.628
350	1209	-.219	.098	.081	-.661

APPENDIX A -- PRESSURE DATA: CONFIGURATION B: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	127	-.376	.170	.067	-1.357
100	231	-.198	.104	.167	-.801
100	232	-.216	.108	.151	-.879
100	311	-.235	.123	.122	-.846
100	312	-.260	.130	.159	-.792
100	318	-.206	.116	.162	-.861
100	501	-.343	.116	.122	-.721
100	601	-.487	.322	.519	-2.020
100	605	-.264	.358	.390	-1.639
100	915	-.181	.153	.480	-.957
102	127	-.360	.164	.106	-1.499
102	231	-.195	.104	.141	-.625
102	232	-.218	.108	.122	-.692
102	311	-.232	.120	.143	-1.315
102	312	-.247	.123	.219	-.774
102	318	-.209	.118	.151	-.907
102	501	-.340	.123	.088	-.802
102	601	-.573	.304	.439	-1.784
102	605	-.346	.337	.311	-2.068
102	915	-.195	.163	.425	-1.002
104	127	-.393	.182	.159	-1.777
104	231	-.213	.108	.227	-.868
104	232	-.244	.114	.188	-.949
104	311	-.253	.124	.130	-.856
104	312	-.258	.125	.185	-.842
104	318	-.225	.119	.085	-.694
104	501	-.346	.134	.215	-.919
104	601	-.680	.338	.478	-2.505
104	605	-.495	.349	.285	-1.744
104	915	-.262	.189	.424	-1.088
106	127	-.388	.186	.271	-1.678
106	231	-.208	.102	.180	-.641
106	232	-.241	.106	.189	-.723
106	311	-.245	.115	.152	-.923
106	312	-.237	.117	.134	-.838
106	318	-.206	.119	.179	-.678
106	501	-.290	.129	.115	-.729
106	601	-.686	.285	.118	-2.377
106	605	-.544	.314	.222	-1.705
106	915	-.266	.193	.416	-1.049
108	127	-.384	.182	.116	-1.622
108	231	-.211	.101	.126	-.620
108	232	-.246	.104	.106	-.646
108	311	-.243	.109	.144	-.663
108	312	-.251	.102	.098	-.725
108	318	-.228	.108	.180	-.795
108	501	-.299	.117	.128	-.701
108	601	-.695	.270	.214	-2.241
108	605	-.551	.270	.222	-1.890
108	915	-.289	.176	.419	-1.076
110	127	-.407	.201	.133	-2.314
110	231	-.214	.096	.190	-.600
110	232	-.255	.102	.149	-.751
110	311	-.246	.108	.146	-.725
110	312	-.248	.109	.080	-.793
110	318	-.226	.118	.110	-.641
110	501	-.274	.125	.108	-.820
110	601	-.671	.301	.359	-2.419
110	605	-.552	.272	.182	-1.707
110	915	-.311	.189	.408	-1.153
112	127	-.397	.187	.098	-2.263
112	231	-.225	.101	.053	-.595
112	232	-.269	.106	.044	-.737
112	311	-.254	.109	.061	-.726
112	312	-.260	.115	.143	-.808
112	318	-.240	.124	.238	-1.014
112	501	-.251	.133	.227	-.714
112	601	-.623	.272	.006	-2.425
112	605	-.515	.242	.220	-1.581
112	915	-.350	.191	.380	-1.224
114	127	-.392	.191	.078	-2.097
114	231	-.225	.096	.099	-.590
114	232	-.273	.101	.079	-.705
114	311	-.254	.102	.101	-.751
114	312	-.274	.107	.102	-.772
114	318	-.265	.118	.241	-.764
114	501	-.243	.145	.390	-.789
114	601	-.611	.266	.011	-2.141
114	605	-.514	.239	.187	-2.155
114	915	-.382	.175	.288	-1.098
116	127	-.375	.174	.009	-1.625
116	231	-.227	.095	.117	-.610
116	232	-.279	.099	.092	-.685
116	311	-.254	.099	.090	-.663
116	312	-.271	.098	.029	-.606
116	318	-.284	.112	.119	-.696
116	501	-.199	.127	.190	-.678
116	601	-.485	.206	.006	-1.976
116	605	-.475	.217	.056	-1.734
116	915	-.345	.175	.332	-1.113
118	127	-.380	.152	.044	-1.465
118	231	-.258	.100	.072	-.583
118	232	-.318	.105	.034	-.692
118	311	-.286	.103	.063	-.773
118	312	-.282	.102	.062	-.670
118	318	-.308	.108	.107	-.721
118	501	-.197	.140	.250	-.758
118	601	-.477	.212	-.017	-1.948
118	605	-.429	.196	.078	-1.486
118	915	-.366	.161	.185	-1.056
120	127	-.356	.134	-.008	-1.197
120	231	-.247	.095	.053	-.564
120	232	-.313	.099	.002	-.649
120	311	-.276	.098	.036	-.606
120	312	-.275	.100	.056	-.612
120	318	-.306	.117	.055	-.723
120	501	-.163	.137	.294	-.663
120	601	-.439	.181	-.014	-1.680
120	605	-.381	.170	.088	-1.697
120	915	-.364	.156	.444	-1.071
200	127	-.223	.095	.114	-.530
200	231	-.236	.094	.064	-.645
200	232	-.304	.099	.012	-.732
200	311	.199	.155	.725	-.244
200	312	.159	.197	.837	-.523
200	318	-.012	.150	.503	-.604
200	501	-.571	.186	.057	-1.411
200	601	-.201	.105	.121	-.536
200	605	-.205	.098	.113	-.580
200	915	-.205	.139	.388	-.702
202	127	-.215	.092	.064	-.550
202	231	-.226	.095	.064	-.616
202	232	-.301	.100	-.000	-.697
202	311	.235	.143	.735	-.295
202	312	.248	.189	.906	-.409
202	318	.028	.148	.517	-.495
202	501	-.637	.194	-.054	-1.645
202	601	-.196	.103	.179	-.568
202	605	-.198	.094	.120	-.546
202	915	-.194	.144	.476	-.865
204	127	-.207	.092	.134	-.534
204	231	-.227	.101	.111	-.607
204	232	-.307	.108	.047	-.718
204	311	.248	.147	.768	-.163
204	312	.265	.201	.888	-.666
204	318	.043	.164	.607	-.513
204	501	-.702	.198	-.142	-1.732
204	601	-.189	.103	.132	-.544
204	605	-.200	.109	.140	-.587
204	915	-.180	.149	.392	-.717
206	127	-.195	.093	.114	-.500
206	231	-.215	.097	.127	-.538
206	232	-.295	.103	.073	-.632
206	311	.265	.142	.771	-.196
206	312	.313	.191	.808	-.288
206	318	.076	.164	.652	-.548
206	501	-.744	.205	-.128	-1.635
206	601	-.190	.107	.187	-.540
206	605	-.201	.099	.155	-.539
206	915	-.171	.149	.326	-.660

APPENDIX A -- PRESSURE DATA: CONFIGURATION B; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
208	127	-.207	.089	.078	-.525
208	231	-.224	.093	.097	-.541
208	232	-.302	.099	.033	-.640
208	311	.295	.142	.888	-.160
208	312	.329	.172	.994	-.273
208	318	.072	.146	.614	-.490
208	501	-.804	.237	-.191	-2.037
208	601	-.191	.109	.308	-.622
208	605	-.200	.102	.213	-.577
208	915	-.169	.159	.445	-.662
210	127	-.202	.096	.125	-.517
210	231	-.230	.106	.068	-.644
210	232	-.308	.113	.006	-.751
210	311	.302	.155	.859	-.263
210	312	.373	.165	.949	-.262
210	318	.126	.142	.560	-.535
210	501	-.856	.240	-.214	-1.869
210	601	-.195	.112	.163	-.636
210	605	-.211	.111	.138	-.663
210	915	-.165	.161	.462	-.698
212	127	-.195	.093	.163	-.496
212	231	-.238	.113	.102	-.686
212	232	-.313	.120	.040	-.788
212	311	.316	.155	.932	-.131
212	312	.358	.183	.898	-.331
212	318	.124	.144	.687	-.407
212	501	-.893	.248	-.196	-2.049
212	601	-.188	.114	.212	-.607
212	605	-.195	.101	.130	-.578
212	915	-.134	.156	.495	-.709
214	127	-.196	.092	.149	-.536
214	231	-.255	.117	.090	-.743
214	232	-.330	.124	.037	-.954
214	311	.337	.159	.873	-.117
214	312	.365	.164	.890	-.252
214	318	.129	.126	.521	-.339
214	501	-.875	.250	-.196	-2.179
214	601	-.186	.104	.147	-.592
214	605	-.199	.111	.143	-.751
214	915	-.127	.153	.497	-.707
216	127	-.188	.095	.116	-.568
216	231	-.275	.154	.119	-1.247
216	232	-.354	.162	.068	-1.388
216	311	.370	.166	1.026	-.090
216	312	.399	.158	.995	-.268
216	318	.141	.128	.613	-.367
216	501	-.956	.255	-.291	-1.912
216	601	-.176	.112	.181	-.592
216	605	-.206	.108	.178	-.577
216	915	-.112	.165	.469	-.684

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
218	127	-.184	.100	.122	-.507
218	231	-.297	.161	.119	-1.290
218	232	-.378	.169	.065	-1.379
218	311	.356	.157	.954	-.112
218	312	.396	.166	.994	-.100
218	318	.151	.123	.625	-.251
218	501	-.963	.251	-.284	-1.867
218	601	-.187	.118	.185	-.597
218	605	-.197	.113	.160	-.660
218	915	-.082	.166	.508	-.707
220	127	-.181	.090	.078	-.551
220	231	-.329	.163	.145	-1.193
220	232	-.411	.171	.085	-1.307
220	311	.366	.165	.974	-.125
220	312	.371	.173	.939	-.322
220	318	.142	.127	.600	-.325
220	501	-.907	.246	-.251	-2.039
220	601	-.174	.110	.184	-.537
220	605	-.206	.113	.189	-.615
220	915	-.071	.155	.563	-.626
222	127	-.176	.091	.138	-.527
222	231	-.400	.194	.040	-1.461
222	232	-.506	.207	-.027	-1.632
222	311	.394	.161	.968	-.089
222	312	.427	.156	.927	-.070
222	318	.152	.127	.873	-.265
222	501	-.986	.265	-.318	-2.112
222	601	-.181	.115	.169	-.592
222	605	-.194	.114	.184	-.634
222	915	-.032	.151	.489	-.662
224	127	-.158	.095	.170	-.557
224	231	-.411	.194	.104	-1.171
224	232	-.524	.207	.021	-1.383
224	311	.368	.162	.937	-.150
224	312	.423	.161	.914	-.129
224	318	.156	.125	.607	-.267
224	501	-.951	.242	-.303	-1.877
224	601	-.184	.106	.127	-.661
224	605	-.183	.095	.119	-.534
224	915	-.016	.138	.449	-.711
230	127	-.176	.100	.187	-.634
230	231	-.508	.203	.025	-1.588
230	232	-.604	.214	-.055	-1.654
230	311	.395	.183	1.026	-.147
230	312	.378	.157	.954	-.119
230	318	.118	.116	.516	-.348
230	501	-.765	.209	-.249	-1.853
230	601	-.189	.106	.197	-.578
230	605	-.186	.102	.155	-.596
230	915	.039	.125	.558	-.460

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
232	127	-.171	.102	.198	-.655
232	231	-.485	.183	.095	-1.221
232	232	-.578	.192	.077	-1.400
232	311	.370	.160	.997	-.110
232	312	.325	.150	.837	-.144
232	318	.098	.109	.507	-.373
232	501	-.647	.173	-.143	-1.525
232	601	-.184	.105	.156	-.605
232	605	-.185	.095	.217	-.534
232	915	.043	.127	.463	-.591
234	127	-.194	.093	.135	-.559
234	231	-.518	.184	.009	-1.348
234	232	-.614	.192	-.081	-1.351
234	311	.391	.160	.905	-.077
234	312	.333	.143	.864	-.099
234	318	.093	.107	.527	-.365
234	501	-.591	.153	-.127	-1.152
234	601	-.186	.103	.134	-.745
234	605	-.194	.093	.106	-.792
234	915	.036	.122	.433	-.399
236	127	-.273	.132	.156	-.812
236	231	-.664	.230	.061	-1.907
236	232	-.767	.233	-.099	-2.485
236	311	.482	.193	1.098	-.118
236	312	.420	.209	1.299	-.224
236	318	.122	.145	.660	-.432
236	501	-.773	.240	-.155	-1.862
236	601	-.242	.125	.182	-.812
236	605	-.253	.135	.156	-.852
236	915	.043	.151	.654	-.475
238	127	-.234	.107	.095	-.641
238	231	-.552	.184	.037	-1.508
238	232	-.674	.197	-.039	-1.806
238	311	.431	.178	.991	-.137
238	312	.312	.165	.872	-.175
238	318	.093	.116	.514	-.323
238	501	-.624	.182	-.137	-1.510
238	601	-.211	.110	.132	-.725
238	605	-.197	.094	.117	-.518
238	915	.022	.125	.409	-.547
240	127	-.246	.098	.090	-.555
240	231	-.507	.180	.065	-1.325
240	232	-.631	.190	-.016	-1.493
240	311	.407	.158	.962	-.189
240	312	.287	.152	.780	-.279
240	318	.092	.117	.591	-.340
240	501	-.496	.161	-.070	-1.147
240	601	-.208	.103	.107	-.670
240	605	-.201	.096	.127	-.601
240	915	.013	.124	.496	-.428

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
242	127	-.236	.099	.108	-.616
242	231	-.493	.187	.243	-1.268
242	232	-.613	.192	.160	-1.427
242	311	.394	.172	.933	-.142
242	312	.260	.151	.877	-.193
242	318	.095	.122	.575	-.386
242	501	-.502	.147	-.006	-1.185
242	601	-.211	.105	.154	-.845
242	605	-.196	.095	.093	-.593
242	915	-.008	.108	.372	-.439
244	127	-.270	.102	.072	-.728
244	231	-.503	.202	.292	-1.320
244	232	-.509	.186	.124	-1.279
244	311	.418	.155	1.059	-.226
244	312	.291	.157	.796	-.258
244	318	.038	.122	.516	-.456
244	501	-.336	.121	-.019	-.890
244	601	-.203	.104	.117	-.726
244	605	-.199	.096	.137	-.559
244	915	-.041	.114	.303	-.439
246	127	-.293	.105	-.010	-.795
246	231	-.466	.222	.454	-1.309
246	232	-.477	.201	.500	-1.254
246	311	.426	.148	.875	-.016
246	312	.189	.165	.813	-.401
246	318	.041	.123	.496	-.455
246	501	-.328	.122	.007	-.928
246	601	-.211	.105	.130	-.583
246	605	-.210	.094	.116	-.610
246	915	-.054	.118	.381	-.534
248	127	-.320	.117	.033	-.888
248	231	-.437	.261	.445	-1.542
248	232	-.463	.232	.460	-1.397
248	311	.423	.160	1.031	-.079
248	312	.142	.173	.690	-.577
248	318	.031	.121	.478	-.459
248	501	-.306	.111	.040	-.737
248	601	-.214	.103	.153	-.612
248	605	-.218	.093	.036	-.607
248	915	-.074	.114	.306	-.574
250	127	-.347	.130	.151	-.894
250	231	-.330	.299	.477	-1.303
250	232	-.377	.270	.519	-1.319
250	311	.411	.159	1.046	-.099
250	312	.092	.166	.654	-.549
250	318	.012	.128	.597	-.467
250	501	-.295	.106	.054	-.702
250	601	-.213	.112	.152	-.654
250	605	-.216	.106	.154	-.620
250	915	-.090	.120	.264	-.594
278	127	-.217	.138	.265	-1.037
278	231	.358	.171	.922	-.559
278	232	.227	.198	.892	-.704
278	311	-.334	.355	.462	-1.886
278	312	-.461	.177	.009	-2.084
278	318	-.349	.206	.198	-1.455
278	501	-.280	.125	.085	-.967
278	601	-.241	.125	.177	-.778
278	605	-.237	.122	.171	-.710
278	915	-.502	.161	-.046	-1.558
280	127	.217	.137	.193	-.926
280	231	.367	.165	1.061	-.110
280	232	.236	.188	1.031	-.310
280	311	-.466	.391	.369	-2.129
280	312	-.461	.179	.054	-1.724
280	318	-.409	.232	.236	-1.613
280	501	-.251	.129	.214	-1.080
280	601	-.238	.125	.195	-.805
280	605	-.243	.125	.161	-.815
280	915	-.525	.176	-.011	-1.414
282	127	-.210	.130	.197	-.909
282	231	.360	.171	.984	-.126
282	232	.215	.193	1.035	-.384
282	311	-.526	.417	.459	-1.963
282	312	-.455	.204	.068	-1.655
282	318	-.510	.236	.254	-1.785
282	501	-.294	.138	.191	-.883
282	601	-.274	.131	.080	-1.074
282	605	-.250	.114	.148	-.802
282	915	-.532	.177	-.011	-1.824
284	127	-.204	.115	.178	-.761
284	231	.348	.144	.921	-.091
284	232	.184	.158	.864	-.373
284	311	-.613	.357	.358	-2.182
284	312	-.479	.211	.034	-1.961
284	318	-.539	.224	.080	-1.489
284	501	-.290	.141	.199	-1.225
284	601	-.262	.122	.120	-.874
284	605	-.258	.113	.082	-.817
284	915	-.561	.184	-.134	-1.782
286	127	-.203	.111	.309	-.756
286	231	.345	.173	.973	-.170
286	232	.165	.189	.831	-.397
286	311	-.650	.373	.324	-2.066
286	312	-.490	.229	.158	-1.997
286	318	-.579	.230	.199	-1.972
286	501	-.317	.153	.161	-.991
286	601	-.282	.129	.130	-.826
286	605	-.274	.110	.084	-.790
286	915	-.569	.191	-.004	-1.547
288	127	-.210	.108	.126	-.826
288	231	.347	.169	1.147	-.305
288	232	.155	.172	.956	-.618
288	311	-.698	.330	.254	-1.936
288	312	-.520	.254	.054	-2.375
288	318	-.575	.229	.055	-1.739
288	501	-.330	.161	.154	-1.295
288	601	-.278	.129	.196	-.879
288	605	-.283	.122	.135	-.744
288	915	-.552	.203	.068	-2.456
290	127	-.186	.099	.142	-.579
290	231	.307	.147	.831	-.159
290	232	.128	.154	.696	-.399
290	311	-.563	.291	.132	-2.096
290	312	-.501	.250	.130	-1.957
290	318	-.554	.218	.025	-1.472
290	501	-.345	.173	.214	-1.151
290	601	-.287	.137	.171	-.869
290	605	-.262	.111	.182	-.686
290	915	-.535	.195	.017	-1.804
292	127	-.177	.097	.275	-.693
292	231	.270	.154	.837	-.253
292	232	.099	.154	.697	-.411
292	311	-.519	.271	.131	-2.015
292	312	-.455	.222	.085	-2.253
292	318	-.495	.196	.029	-1.513
292	501	-.342	.167	.181	-1.159
292	601	-.275	.128	.241	-.787
292	605	-.266	.111	.063	-.677
292	915	-.479	.186	.061	-1.470
294	127	-.180	.091	.074	-.726
294	231	.285	.148	.750	-.237
294	232	.110	.149	.614	-.377
294	311	-.492	.262	.062	-1.901
294	312	-.465	.226	.209	-1.889
294	318	-.512	.201	.019	-1.530
294	501	-.378	.166	.108	-1.152
294	601	-.306	.130	.123	-.840
294	605	-.268	.106	.114	-.693
294	915	-.522	.213	.018	-1.725
296	127	-.175	.097	.160	-.672
296	231	.277	.152	.833	-.198
296	232	.098	.152	.670	-.391
296	311	-.480	.245	.124	-1.918
296	312	-.423	.203	.157	-1.803
296	318	-.469	.176	.002	-1.295
296	501	-.374	.156	.192	-1.102
296	601	-.296	.129	.104	-.821
296	605	-.287	.111	.069	-.915
296	915	-.477	.193	.009	-1.627

APPENDIX A -- PRESSURE DATA: CONFIGURATION B: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
298	127	-.167	.091	.177	-.494	298	601	-.303	.123	.096	-.981	300	312	-.374	.159	-.004	-2.173
298	231	.270	.141	.745	-.171	298	605	-.274	.112	.075	-.690	300	318	-.435	.152	.015	-1.124
298	232	.098	.141	.614	-.409	298	915	-.422	.161	.026	-1.207	300	501	-.391	.138	.009	-1.019
298	311	-.410	.211	.004	-1.818	300	127	-.166	.096	.172	-.526	300	601	-.310	.128	.131	-.999
298	312	-.397	.186	.061	-1.823	300	231	.247	.148	.833	-.166	300	605	-.288	.117	.144	-.808
298	318	-.457	.175	-.017	-1.436	300	232	.072	.143	.622	-.354	300	915	-.457	.193	.067	-1.494
298	501	-.388	.143	.113	-1.054	300	311	-.363	.149	.066	-1.397						

APPENDIX A -- PRESSURE DATA: CONFIGURATION C: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	101	.242	.164	.818	-.340
30	110	.518	.180	1.120	-.053
30	112	.444	.164	.991	-.052
30	117	.490	.163	1.012	-.026
30	118	.504	.158	1.069	.048
30	126	.446	.167	1.039	-.020
30	127	.449	.159	1.036	.035
30	133	.373	.157	.925	-.116
30	134	.384	.151	.896	-.091
30	142	.267	.138	.815	-.268
30	201	-.677	.171	-.142	-1.440
30	208	-.234	.105	-.134	-.621
30	209	-.584	.165	-.107	-1.393
30	217	-.507	.169	.080	-1.201
30	224	-.234	.091	.027	-.567
30	225	-.460	.185	.179	-1.213
30	231	-.142	.087	.195	-.476
30	232	-.169	.088	.159	-.503
30	233	-.329	.200	.366	-1.145
30	248	-.167	.092	.137	-.469
30	252	-.107	.190	.392	-.926
30	302	-.221	.107	.135	-.619
30	303	-.251	.111	.107	-.790
30	305	-.235	.101	.109	-.560
30	308	-.229	.101	.073	-.722
30	309	-.247	.103	.076	-.713
30	312	-.253	.100	.074	-.663
30	315	-.248	.096	.036	-.553
30	407	-.329	.153	.123	-1.015
30	412	-.282	.114	.092	-.728
30	416	-.366	.150	.090	-.957
30	432	-.377	.147	.018	-.900
30	436	-.305	.126	.080	-.811
30	439	-.317	.141	.081	-.937
30	501	-.387	.187	.250	-1.118
30	502	-.370	.189	.228	-1.128
30	507	-.484	.125	-.103	-1.082
30	508	-.474	.125	-.092	-1.073
30	509	-.400	.167	.042	-1.021
30	516	-.433	.126	-.051	-1.209
30	517	-.455	.170	.103	-1.013
30	524	-.382	.116	-.020	-.965
30	525	-.461	.169	.098	-1.384
30	528	-.476	.158	.129	-1.185
30	532	-.460	.136	-.028	-1.232
30	533	-.322	.123	.046	-.774
30	538	-.584	.180	-.130	-1.424
30	540	-.528	.172	-.116	-1.602
30	541	-.361	.122	.163	-.798
30	548	-.551	.215	.043	-1.670

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	601	-.027	.153	.543	-.580
30	603	.285	.192	.845	-.531
30	604	.019	.145	.485	-.525
30	605	.403	.178	1.026	-.160
30	607	-.005	.141	.482	-.460
30	608	.349	.175	.975	-.165
30	609	.407	.213	1.039	-.423
30	610	-.031	.132	.523	-.509
30	611	.265	.163	.851	-.298
30	612	.331	.211	.877	-.429
30	613	-.090	.143	.404	-.555
30	616	-.100	.150	.364	-.666
30	912	-.751	.179	-.274	-1.596
30	915	-.583	.146	-.163	-1.275
40	101	.180	.139	.644	-.350
40	110	.476	.154	1.120	-.113
40	112	.309	.143	.846	-.190
40	117	.472	.156	1.141	-.020
40	118	.447	.158	.995	-.006
40	126	.435	.153	1.057	.019
40	127	.361	.160	.999	-.058
40	133	.359	.153	.927	-.209
40	134	.364	.160	.850	-.061
40	142	.289	.163	.885	-.338
40	201	-.752	.203	-.171	-1.541
40	208	-.162	.102	.211	-.603
40	209	-.541	.140	-.096	-1.167
40	217	-.485	.145	-.017	-1.085
40	224	-.231	.105	.104	-.775
40	225	-.501	.171	-.038	-1.268
40	231	-.121	.092	.260	-.611
40	232	-.105	.086	.299	-.535
40	233	-.549	.176	.022	-1.329
40	248	-.105	.085	.213	-.375
40	252	-.255	.207	.374	-1.257
40	302	-.131	.092	.153	-.420
40	303	-.253	.103	.055	-.579
40	305	-.160	.094	.144	-.484
40	308	-.151	.092	.156	-.473
40	309	-.127	.087	.173	-.419
40	312	-.245	.096	.067	-.603
40	315	-.166	.092	.147	-.476
40	407	-.246	.124	.198	-.746
40	412	-.169	.107	.181	-.729
40	416	-.348	.141	.065	-1.046
40	432	-.213	.117	.184	-.897
40	436	-.223	.101	.144	-.586
40	439	-.199	.100	.110	-.564
40	501	-.323	.145	.131	-1.059
40	502	-.218	.147	.238	-1.026

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	507	-.550	.146	-.053	-1.068
40	508	-.496	.140	.004	-.982
40	509	-.349	.148	.071	-.941
40	516	-.489	.142	-.068	-1.118
40	517	-.260	.142	.192	-1.019
40	524	-.410	.140	.002	-1.205
40	525	-.326	.136	.093	-.954
40	528	-.319	.195	.231	-1.037
40	532	-.509	.189	-.047	-1.411
40	533	-.209	.099	.087	-.703
40	538	-.713	.330	.235	-2.316
40	540	-.570	.247	-.030	-1.745
40	541	-.304	.110	.116	-.759
40	548	-.434	.256	.306	-1.691
40	601	.046	.175	.730	-.493
40	603	.362	.181	1.082	-.173
40	604	.110	.144	.600	-.385
40	605	.465	.162	.969	-.108
40	607	.020	.154	.532	-.460
40	608	.395	.160	.933	-.013
40	609	.482	.171	1.065	-.148
40	610	.073	.141	.593	-.373
40	611	.301	.167	.932	-.186
40	612	.407	.163	.972	-.186
40	613	.016	.167	.518	-.604
40	616	.047	.153	.655	-.467
40	912	-.754	.176	-.153	-1.799
40	915	-.479	.143	.026	-1.266
50	101	.030	.160	.451	-.829
50	110	.284	.199	.909	-.454
50	112	.245	.135	.687	-.217
50	117	.326	.189	.868	-.341
50	118	.324	.152	.891	-.540
50	126	.269	.194	.883	-.644
50	127	.289	.149	.830	-.513
50	133	.182	.193	.786	-.597
50	134	.236	.154	.759	-.392
50	142	.110	.181	.752	-.588
50	201	-.482	.148	-.061	-1.085
50	208	-.187	.130	.212	-.896
50	209	-.448	.113	-.091	-.824
50	217	-.396	.115	-.047	-.877
50	224	-.218	.141	.169	-1.145
50	225	-.473	.141	-.043	-1.260
50	231	-.194	.145	.328	-.942
50	232	-.194	.141	.300	-1.026
50	233	-.510	.166	-.059	-1.165
50	248	-.072	.094	.258	-.498
50	252	-.382	.195	.161	-1.260
50	302	-.158	.100	.155	-.551

APPENDIX A -- PRESSURE DATA: CONFIGURATION C: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	303	-.170	.105	.125	-.734
50	305	-.164	.097	.109	-.504
50	308	-.169	.107	.164	-.543
50	309	-.173	.105	.138	-.583
50	312	-.197	.115	.212	-.696
50	315	-.167	.105	.195	-.691
50	407	-.165	.105	.165	-.706
50	412	-.168	.103	.150	-.590
50	416	-.183	.108	.143	-.735
50	432	-.210	.116	.140	-.862
50	436	-.279	.121	.108	-.799
50	439	-.289	.117	.040	-.806
50	501	-.142	.093	.165	-.658
50	502	-.105	.094	.188	-.643
50	507	-.535	.167	-.046	-1.336
50	508	-.515	.161	-.053	-1.209
50	509	-.183	.100	.127	-.769
50	516	-.445	.160	.083	-1.067
50	517	-.175	.109	.156	-.580
50	524	-.397	.162	.114	-1.360
50	525	-.201	.097	.175	-.610
50	528	-.069	.133	.335	-.976
50	532	-.416	.193	.299	-1.219
50	533	-.266	.101	.098	-.686
50	538	-.241	.321	.375	-1.745
50	540	-.378	.225	.331	-1.476
50	541	-.281	.119	.138	-.773
50	548	-.127	.248	.587	-1.421
50	601	.253	.173	.774	-.388
50	603	.283	.162	.974	-.303
50	604	.290	.158	.853	-.373
50	605	.531	.172	1.088	-.096
50	607	.276	.157	.835	-.279
50	608	.503	.164	1.071	-.049
50	609	.406	.167	1.055	-.186
50	610	.230	.155	.779	-.261
50	611	.409	.156	.988	-.046
50	612	.336	.162	.996	-.268
50	613	.222	.167	.758	-.385
50	616	.200	.145	.880	-.318
50	912	-.618	.153	-.135	-1.287
50	915	-.427	.117	-.008	-1.003
60	101	-.241	.182	.377	-.877
60	110	-.074	.202	.727	-.755
60	112	-.096	.115	.543	-.345
60	117	-.016	.198	.568	-.841
60	118	-.081	.217	.611	-.686
60	126	-.053	.218	.601	-.863
60	127	-.032	.218	.584	-.767
60	133	-.130	.198	.564	-.730

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	134	-.014	.231	.604	-.756
60	142	-.166	.187	.386	-.876
60	201	-.326	.111	.015	-.758
60	208	-.265	.133	.113	-.919
60	209	-.292	.099	.063	-.714
60	217	-.311	.101	.008	-.671
60	224	-.342	.131	.057	-.865
60	225	-.372	.116	.006	-.797
60	231	-.340	.157	.245	-1.010
60	232	-.347	.169	.118	-1.135
60	233	-.451	.140	-.112	-1.070
60	248	-.088	.106	.235	-.832
60	252	-.477	.192	-.018	-1.256
60	302	-.203	.096	.105	-.593
60	303	-.220	.102	.181	-.572
60	305	-.231	.092	.064	-.581
60	308	-.289	.104	.040	-.730
60	309	-.306	.106	.026	-.734
60	312	-.374	.132	.143	-1.026
60	315	-.209	.146	.141	-1.093
60	407	-.222	.093	.088	-.567
60	412	-.241	.093	.081	-.539
60	416	-.246	.092	.058	-.562
60	432	-.406	.141	.010	-.991
60	436	-.423	.193	.106	-1.204
60	439	-.470	.169	-.056	-1.190
60	501	-.174	.097	.128	-.562
60	502	-.115	.093	.152	-.503
60	507	-.398	.240	.454	-1.182
60	508	-.393	.213	.596	-1.095
60	509	-.222	.098	.067	-.558
60	516	-.257	.250	.680	-1.017
60	517	-.258	.103	.091	-.664
60	524	-.168	.257	.775	-1.426
60	525	-.334	.116	.109	-.752
60	528	-.005	.097	.358	-.346
60	532	-.079	.249	.743	-.953
60	533	-.404	.134	.030	-.861
60	538	.104	.148	.530	-.654
60	540	.006	.252	.772	-.883
60	541	-.338	.135	.116	-.976
60	548	.128	.203	.627	-.775
60	601	.355	.173	1.028	-.276
60	603	.139	.161	.651	-.350
60	604	.467	.163	.955	-.041
60	605	.542	.158	1.005	.057
60	607	.451	.163	.914	-.094
60	608	.509	.152	1.049	.068
60	609	.232	.215	.822	-.483
60	610	.389	.154	.889	-.087

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	611	.415	.172	.967	-.157
60	612	.148	.224	.772	-.646
60	613	.341	.141	.880	-.121
60	616	.249	.151	.772	-.369
60	912	-.683	.181	.077	-1.415
60	915	-.300	.121	.081	-.734
70	101	-.523	.161	.114	-1.225
70	110	-.424	.184	.258	-1.106
70	112	-.064	.158	.346	-.850
70	117	-.360	.191	.181	-1.131
70	118	-.311	.238	.405	-1.053
70	126	-.355	.193	.385	-.937
70	127	-.335	.241	.359	-1.013
70	133	-.318	.174	.146	-.964
70	134	-.318	.237	.332	-1.137
70	142	-.353	.173	.223	-.971
70	201	-.256	.109	.069	-.617
70	208	-.257	.125	.158	-.840
70	209	-.253	.093	.048	-.580
70	217	-.261	.094	.008	-.634
70	224	-.338	.115	.017	-1.137
70	225	-.288	.109	.018	-.664
70	231	-.372	.128	.138	-.934
70	232	-.374	.131	.076	-.944
70	233	-.349	.109	-.022	-.741
70	248	-.226	.161	.252	-1.181
70	252	-.408	.144	.032	-1.066
70	302	-.249	.102	.087	-.687
70	303	-.277	.106	.092	-.750
70	305	-.280	.101	.034	-.802
70	308	-.341	.117	.023	-.913
70	309	-.362	.115	.001	-.826
70	312	-.428	.136	-.011	-.978
70	315	-.375	.169	.143	-.993
70	407	-.291	.117	.047	-.910
70	412	-.310	.114	.077	-.986
70	416	-.306	.109	.051	-.709
70	432	-.481	.146	-.021	-1.131
70	436	-.490	.159	.131	-1.157
70	439	-.555	.155	-.125	-1.240
70	501	-.225	.095	.032	-.558
70	502	-.158	.089	.108	-.457
70	507	-.375	.234	.575	-.932
70	508	-.355	.257	.669	-.889
70	509	-.175	.095	.008	-.692
70	516	-.166	.290	.899	-.851
70	517	-.326	.100	.005	-.665
70	524	-.257	.268	1.016	-.853
70	525	-.403	.109	-.060	-.769
70	528	-.068	.105	.457	-.284

APPENDIX A -- PRESSURE DATA: CONFIGURATION C; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	532	.249	.266	1.051	-.593
70	533	-.447	.128	-.060	-.880
70	538	.217	.140	.792	-.480
70	540	.250	.237	1.007	-.716
70	541	-.385	.143	.046	-.836
70	548	.238	.145	.738	-.305
70	601	.389	.192	1.034	-.521
70	603	-.044	.150	.439	-.521
70	604	.501	.180	1.109	-.319
70	605	.417	.171	.979	-.224
70	607	.449	.179	1.059	-.355
70	608	.365	.165	.927	-.166
70	609	-.035	.174	.576	-.555
70	610	.406	.185	.977	-.335
70	611	.295	.170	.871	-.168
70	612	-.115	.174	.422	-.601
70	613	.278	.238	.947	-.778
70	616	.129	.248	.801	-.959
70	912	-.860	.225	-.163	-2.009
70	915	.232	.112	.197	-.587
80	101	-.769	.209	-.147	-2.027
80	110	-.651	.160	.148	-1.234
80	112	-.464	.245	.216	-1.329
80	117	-.620	.151	.047	-1.226
80	118	-.638	.173	.251	-1.254
80	126	-.608	.173	.097	-1.238
80	127	-.648	.188	.276	-1.335
80	133	-.597	.172	.107	-1.364
80	134	-.571	.180	.091	-1.201
80	142	-.506	.164	-.114	-1.222
80	201	-.257	.101	.100	-.584
80	208	-.268	.128	.162	-.913
80	209	-.248	.101	.091	-.672
80	217	-.232	.107	.152	-.719
80	224	-.307	.106	.085	-.744
80	225	-.267	.107	.088	-.792
80	231	-.287	.115	.208	-.705
80	232	-.289	.120	.101	-.738
80	233	-.285	.116	.113	-.757
80	248	-.207	.146	.243	-.860
80	252	-.291	.111	.051	-.720
80	302	-.252	.113	.143	-.717
80	303	-.293	.122	.109	-.918
80	305	-.269	.104	.072	-.698
80	308	-.323	.120	.039	-.910
80	309	-.351	.135	.037	-.955
80	312	-.412	.151	.052	-1.118
80	315	-.395	.164	.155	-1.404
80	407	-.372	.139	-.039	-1.089
80	412	-.347	.118	-.006	-.894

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	416	-.360	.121	-.046	-.788
80	432	-.490	.159	-.017	-1.262
80	436	-.475	.162	.089	-1.490
80	439	-.551	.154	-.099	-1.294
80	501	-.275	.108	.084	-.694
80	502	-.179	.100	.180	-.533
80	507	.159	.139	.632	-.510
80	508	.257	.159	.786	-.611
80	509	-.291	.108	.108	-.779
80	516	.494	.160	1.069	.034
80	517	-.309	.112	.024	-.739
80	524	.441	.175	1.047	-.271
80	525	-.384	.116	.010	-.910
80	528	.161	.109	.507	-.224
80	532	.379	.170	.925	-.334
80	533	-.421	.127	-.008	-.924
80	538	.297	.133	.754	-.068
80	540	.309	.165	.899	-.273
80	541	-.419	.131	.142	-.861
80	548	.206	.157	.817	-.402
80	601	.225	.251	.954	-1.391
80	603	-.284	.153	.180	-.788
80	604	.268	.319	.977	-.910
80	605	.190	.168	.680	-.606
80	607	.102	.363	.979	-1.159
80	608	.114	.190	.636	-1.043
80	609	-.369	.138	.148	-.855
80	610	.002	.342	.866	-1.074
80	611	.013	.189	.537	-1.061
80	612	-.430	.150	.130	-.948
80	613	-.068	.341	.907	-1.146
80	616	-.161	.282	.749	-1.161
80	912	-1.169	.318	-.382	-2.360
80	915	-.182	.102	.183	-.496
90	101	-.730	.210	-.161	-1.731
90	110	-.582	.181	-.070	-1.233
90	112	-.594	.187	-.004	-1.342
90	117	-.528	.170	-.012	-1.187
90	118	-.546	.187	.033	-1.394
90	126	-.537	.201	.037	-1.456
90	127	-.583	.208	.024	-1.570
90	133	-.523	.192	.006	-1.333
90	134	-.540	.184	.019	-1.637
90	142	-.491	.164	-.017	-1.234
90	201	-.299	.123	.089	-.754
90	208	-.286	.133	.111	-.901
90	209	-.301	.132	.101	-.846
90	217	-.300	.147	.188	-.819
90	224	-.316	.124	.105	-.940
90	225	-.308	.149	.216	-.842

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	231	-.260	.124	.127	-.923
90	232	-.256	.130	.166	-.918
90	233	-.334	.148	.129	-.906
90	248	-.237	.145	.211	-.964
90	252	-.280	.131	.133	-.932
90	302	-.288	.144	.165	-.914
90	303	-.371	.169	.126	-1.114
90	305	-.282	.134	.150	-.872
90	308	-.310	.144	.089	-.915
90	309	-.330	.161	.138	-1.027
90	312	-.354	.173	.112	-1.109
90	315	-.293	.168	.185	-.995
90	407	-.638	.201	-.137	-1.497
90	412	-.475	.154	.100	-1.009
90	416	-.592	.180	-.036	-1.414
90	432	-.621	.176	-.081	-1.300
90	436	-.409	.204	.104	-1.283
90	439	-.614	.206	-.031	-1.426
90	501	-.393	.130	.147	-.886
90	502	-.236	.116	.311	-.653
90	507	.216	.176	.866	-.300
90	508	.305	.191	.988	-.291
90	509	-.435	.144	-.011	-1.039
90	516	.469	.196	1.178	-.202
90	517	-.408	.142	.041	-.992
90	524	.426	.206	1.110	-.363
90	525	-.458	.145	.093	-1.009
90	528	.236	.127	.673	-.178
90	532	.319	.204	.980	-.441
90	533	-.438	.146	.114	-.975
90	538	.337	.144	.902	-.105
90	540	.262	.190	.938	-.272
90	541	-.432	.149	-.005	-1.025
90	548	.160	.181	.770	-.418
90	601	-.145	.374	.730	-1.631
90	603	-.417	.148	.020	-1.000
90	604	-.197	.396	.793	-1.557
90	605	.005	.224	.570	-1.366
90	607	-.389	.374	.786	-1.642
90	608	-.136	.317	.576	-1.521
90	609	-.404	.157	.104	-1.162
90	610	-.445	.372	.919	-1.695
90	611	-.295	.362	.592	-1.709
90	612	-.461	.173	.072	-1.112
90	613	-.505	.298	.587	-1.423
90	616	-.469	.296	.451	-1.623
90	912	-1.102	.275	-.376	-2.490
90	915	-.195	.115	.274	-.697
100	101	-.522	.161	.101	-1.352
100	110	-.446	.159	-.018	-1.442

APPENDIX A -- PRESSURE DATA: CONFIGURATION C) YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	112	-.464	.160	-.001	-1.984
100	117	-.426	.165	.029	-1.335
100	118	-.414	.163	.022	-1.628
100	126	-.416	.181	.099	-1.472
100	127	-.457	.194	.046	-1.863
100	133	-.444	.171	.003	-1.488
100	134	-.453	.179	.050	-1.624
100	142	-.440	.161	.091	-1.503
100	201	-.340	.152	.212	-1.289
100	208	-.287	.126	.122	-.989
100	209	-.321	.136	.134	-1.300
100	217	-.339	.150	.167	-1.098
100	224	-.293	.108	.086	-.872
100	225	-.344	.165	.182	-.983
100	231	-.231	.096	.078	-.645
100	232	-.219	.096	.091	-.711
100	233	-.371	.145	.055	-.967
100	248	-.218	.109	.117	-.728
100	252	-.303	.125	.039	-.824
100	302	-.309	.146	.123	-1.022
100	303	-.391	.161	.021	-1.142
100	305	-.303	.134	.072	-1.160
100	308	-.281	.120	.138	-.847
100	309	-.279	.124	.236	-1.008
100	312	-.308	.125	.102	-.938
100	315	-.256	.123	.102	-.954
100	407	-.739	.187	-.239	-1.589
100	412	-.364	.182	.181	-1.239
100	416	-.705	.151	-.223	-1.321
100	432	-.656	.160	-.060	-1.262
100	436	-.285	.189	.163	-1.347
100	439	-.607	.190	-.068	-1.445
100	501	-.379	.122	.075	-.820
100	502	-.200	.111	.230	-.609
100	507	.216	.165	.752	-.337
100	508	-.232	.177	.863	-.355
100	509	-.439	.129	.012	-.907
100	516	-.321	.182	1.057	-.297
100	517	-.422	.137	.028	-.972
100	524	-.246	.196	.859	-.292
100	525	-.436	.149	.021	-.942
100	528	.294	.134	.875	-.126
100	532	.186	.178	.860	-.352
100	533	-.392	.143	.175	-.926
100	538	.330	.138	.816	-.103
100	540	.141	.182	.824	-.489
100	541	-.342	.137	.108	-.942
100	548	-.026	.169	.617	-.540
100	601	-.667	.338	.403	-1.980
100	603	-.376	.121	-.043	-.868

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	604	-.592	.289	.640	-1.553
100	605	-.324	.356	.438	-1.693
100	607	-.683	.278	.357	-1.697
100	608	-.503	.365	.355	-1.712
100	609	-.431	.211	.144	-1.482
100	610	-.655	.276	.533	-1.816
100	611	-.604	.361	.361	-1.936
100	612	-.461	.221	.111	-1.642
100	613	-.611	.273	.614	-1.684
100	616	-.567	.278	.438	-1.882
100	912	-.907	.270	.174	-2.397
100	915	-.242	.171	.423	-1.081
110	101	-.518	.204	.140	-1.537
110	110	-.451	.200	.154	-1.581
110	112	-.482	.197	.185	-1.525
110	117	-.431	.208	.254	-1.599
110	118	-.414	.201	.127	-2.320
110	126	-.395	.183	.072	-1.244
110	127	-.443	.195	.067	-1.364
110	133	-.412	.183	.182	-1.869
110	134	-.425	.192	.077	-2.320
110	142	-.419	.180	.031	-1.342
110	201	-.373	.165	.204	-.976
110	208	-.277	.135	.131	-.983
110	209	-.378	.151	.060	-.971
110	217	-.369	.151	.072	-1.043
110	224	-.307	.095	-.019	-.694
110	225	-.398	.164	.081	-.955
110	231	-.249	.098	.131	-.571
110	232	-.234	.098	.162	-.554
110	233	-.455	.180	.052	-1.175
110	248	-.255	.114	.152	-.863
110	252	-.340	.130	.022	-.959
110	302	-.308	.134	.117	-.881
110	303	-.375	.135	.072	-.995
110	305	-.292	.113	.121	-.734
110	308	-.280	.107	.076	-.780
110	309	-.268	.106	.083	-.759
110	312	-.312	.106	.069	-.699
110	315	-.263	.101	.061	-.689
110	407	-.733	.212	-.072	-1.757
110	412	-.231	.152	.136	-.961
110	416	-.705	.177	-.143	-1.486
110	432	-.611	.188	-.013	-1.382
110	436	-.193	.151	.257	-1.065
110	439	-.513	.185	.139	-1.237
110	501	-.288	.128	.253	-.784
110	502	-.113	.120	.372	-.535
110	507	.209	.154	.727	-.380
110	508	.168	.156	.670	-.366

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	509	-.348	.127	.099	-.816
110	516	-.239	.156	.747	-.370
110	517	-.329	.133	.087	-.855
110	524	-.169	.154	.746	-.474
110	525	-.341	.140	.213	-.816
110	528	.338	.125	.757	-.061
110	532	.107	.160	.746	-.535
110	533	-.267	.142	.205	-.762
110	538	.298	.147	.780	-.147
110	540	.052	.150	.560	-.514
110	541	-.254	.120	.147	-.781
110	548	-.078	.142	.454	-.603
110	601	-.735	.315	.070	-2.394
110	603	-.431	.175	.081	-1.482
110	604	-.573	.234	.281	-1.973
110	605	-.529	.254	.237	-1.718
110	607	-.578	.257	.068	-1.666
110	608	-.520	.263	.265	-1.604
110	609	-.471	.228	.114	-1.831
110	610	-.511	.253	.009	-1.804
110	611	-.564	.263	.043	-2.298
110	612	-.462	.215	.111	-1.575
110	613	-.558	.255	.040	-1.858
110	616	-.539	.247	.193	-1.971
110	912	-.666	.252	.117	-1.994
110	915	-.369	.183	.308	-1.201
120	101	-.392	.164	.106	-1.138
120	110	-.341	.152	.106	-1.172
120	112	-.397	.153	.135	-1.184
120	117	-.346	.149	.185	-1.087
120	118	-.345	.144	.127	-1.231
120	126	-.341	.137	.041	-1.204
120	127	-.400	.144	.030	-1.508
120	133	-.378	.138	.020	-1.296
120	134	-.385	.130	.020	-1.378
120	142	-.381	.133	.046	-.969
120	201	-.403	.143	.050	-1.016
120	208	-.291	.126	.096	-.832
120	209	-.394	.139	.017	-1.239
120	217	-.374	.130	.045	-1.128
120	224	-.328	.107	.117	-.710
120	225	-.411	.134	.035	-1.030
120	231	-.297	.109	.039	-.640
120	232	-.280	.108	.042	-.612
120	233	-.491	.145	.043	-.985
120	248	-.341	.118	.009	-.796
120	252	-.389	.131	.008	-1.406
120	302	-.307	.132	.087	-.870
120	303	-.377	.131	.014	-.824
120	305	-.287	.112	.058	-.879

APPENDIX A -- PRESSURE DATA: CONFIGURATION C: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	308	-.288	.103	.032	-.640
120	309	-.271	.102	.063	-.626
120	312	-.342	.102	-.029	-.670
120	315	-.318	.098	.005	-.637
120	407	-.567	.201	.084	-1.369
120	412	-.098	.113	.297	-.745
120	416	-.563	.202	.179	-1.466
120	432	-.505	.205	.242	-1.242
120	436	-.139	.103	.204	-.638
120	439	-.455	.186	.085	-1.222
120	501	-.169	.127	.238	-.559
120	502	-.013	.122	.411	-.352
120	507	.171	.155	.695	-.446
120	508	.110	.149	.614	-.452
120	509	-.179	.147	.392	-.732
120	516	.177	.149	.664	-.365
120	517	-.190	.160	.493	-.629
120	524	-.149	.149	.711	-.381
120	525	-.242	.167	.416	-.777
120	528	.401	.145	1.112	-.013
120	532	.091	.141	.609	-.475
120	533	-.178	.153	.368	-.654
120	538	.317	.142	.806	-.100
120	540	.033	.137	.580	-.438
120	541	-.175	.119	.222	-.592
120	548	-.089	.132	.529	-.459
120	601	-.491	.221	.018	-2.477
120	603	-.394	.164	.159	-1.303
120	604	-.374	.161	.032	-1.413
120	605	-.363	.163	.027	-1.326
120	607	-.407	.161	-.030	-1.667
120	608	-.366	.166	.006	-1.942
120	609	-.370	.166	.042	-2.236
120	610	-.349	.148	.014	-1.222
120	611	-.424	.162	-.005	-1.523
120	612	-.374	.161	.119	-1.897
120	613	-.416	.177	.019	-1.469
120	616	-.427	.186	.014	-1.638
120	912	-.518	.195	-.015	-1.443
120	915	-.392	.159	.159	-1.089
130	101	-.332	.127	.170	-1.021
130	110	-.291	.116	.105	-1.003
130	112	-.356	.116	.009	-1.026
130	117	-.305	.114	.089	-1.237
130	118	-.319	.112	.062	-1.236
130	126	-.320	.110	.120	-1.183
130	127	-.385	.115	.040	-1.412
130	133	-.364	.112	-.041	-1.312
130	134	-.377	.108	-.008	-1.116
130	142	-.367	.116	-.018	-1.043

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	201	-.397	.126	.049	-1.061
130	208	-.296	.117	.113	-.658
130	209	-.365	.123	-.004	-.853
130	217	-.339	.112	.057	-.768
130	224	-.328	.108	.044	-.691
130	225	-.383	.117	.021	-.840
130	231	-.318	.097	-.020	-.683
130	232	-.301	.096	.001	-.652
130	233	-.493	.119	-.100	-.925
130	248	-.384	.106	-.050	-.795
130	252	-.371	.113	-.001	-.912
130	302	-.311	.136	.165	-.927
130	303	-.382	.135	.099	-.994
130	305	-.293	.115	.147	-.696
130	308	-.290	.101	.058	-.693
130	309	-.273	.099	.066	-.671
130	312	-.356	.096	-.031	-.669
130	315	-.356	.095	-.023	-.665
130	407	-.367	.179	.235	-1.342
130	412	.012	.108	.347	-.391
130	416	-.338	.203	.264	-1.069
130	432	-.325	.190	.497	-1.054
130	436	-.075	.094	.276	-.371
130	439	-.296	.192	.448	-1.075
130	501	-.041	.141	.538	-.517
130	502	.082	.134	.630	-.362
130	507	.127	.145	.644	-.310
130	508	.055	.136	.560	-.372
130	509	.036	.172	.675	-.631
130	516	.095	.132	.669	-.364
130	517	.010	.161	.754	-.459
130	524	.074	.126	.646	-.354
130	525	-.061	.166	.712	-.705
130	528	.419	.141	.890	.036
130	532	.026	.116	.452	-.319
130	533	-.039	.163	.581	-.644
130	538	.270	.137	.692	-.152
130	540	-.039	.118	.390	-.451
130	541	-.112	.118	.281	-.509
130	548	-.120	.109	.309	-.576
130	601	-.373	.120	.002	-.987
130	603	-.335	.129	.077	-.937
130	604	-.299	.117	.044	-1.219
130	605	-.288	.115	.065	-1.239
130	607	-.348	.125	.015	-1.533
130	608	-.304	.124	.054	-1.531
130	609	-.316	.116	.110	-.773
130	610	-.302	.106	.057	-.691
130	611	-.380	.112	-.034	-.858
130	612	-.335	.115	.021	-1.003

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	613	-.373	.109	-.001	-1.227
130	616	-.367	.122	-.009	-1.130
130	912	-.403	.126	-.047	-1.222
130	915	-.365	.136	.048	-.968
140	101	-.302	.107	.025	-.713
140	110	-.266	.095	.083	-.648
140	112	-.340	.097	-.018	-.684
140	117	-.288	.093	.103	-.698
140	118	-.307	.108	.066	-.788
140	126	-.312	.103	-.012	-.827
140	127	-.383	.108	.077	-.814
140	133	-.364	.105	-.046	-1.002
140	134	-.359	.097	-.005	-.683
140	142	-.344	.098	-.015	-1.103
140	201	-.379	.130	.041	-1.045
140	208	-.297	.111	.170	-.821
140	209	-.336	.121	.044	-.909
140	217	-.313	.108	.029	-.856
140	224	-.359	.102	-.056	-.700
140	225	-.365	.103	-.013	-.868
140	231	-.306	.091	.045	-.611
140	232	-.291	.090	.060	-.572
140	233	-.455	.108	-.101	-.835
140	248	-.358	.094	-.056	-.702
140	252	-.365	.100	-.065	-.773
140	302	-.323	.122	-.058	-.983
140	303	-.396	.119	-.029	-1.039
140	305	-.306	.104	-.014	-.716
140	308	-.287	.101	.021	-.726
140	309	-.269	.099	.033	-.699
140	312	-.358	.107	-.001	-.833
140	315	-.355	.113	-.021	-.864
140	407	-.108	.176	.510	-.730
140	412	.143	.114	.585	-.193
140	416	-.015	.198	.551	-.757
140	432	-.102	.174	.462	-.760
140	436	-.026	.100	.437	-.376
140	439	-.127	.199	.687	-.873
140	501	.074	.152	.701	-.548
140	502	.162	.145	.713	-.426
140	507	.102	.140	.625	-.361
140	508	.024	.128	.480	-.454
140	509	.221	.188	.944	-.349
140	516	.042	.126	.552	-.374
140	517	.159	.176	.707	-.472
140	524	.018	.118	.421	-.342
140	525	.049	.175	.727	-.669
140	528	.438	.149	.908	-.019
140	532	-.044	.113	.387	-.544
140	533	.075	.156	.771	-.515

APPENDIX A -- PRESSURE DATA: CONFIGURATION C) YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	538	-.223	.132	.684	-.188
140	540	-.091	.112	.392	-.461
140	541	-.037	.118	.393	-.479
140	548	-.148	.108	.302	-.462
140	601	-.347	.110	-.001	-1.013
140	603	-.309	.114	.031	-1.104
140	604	-.279	.106	.071	-.631
140	605	-.267	.102	.065	-.629
140	607	-.335	.105	.006	-.735
140	608	-.291	.100	.016	-.671
140	609	-.294	.106	.053	-.692
140	610	-.284	.101	.065	-.668
140	611	-.365	.105	.019	-.769
140	612	-.315	.103	.048	-.748
140	613	-.360	.104	-.071	-.785
140	616	-.346	.106	-.023	-.938
140	912	-.410	.141	.001	-1.108
140	915	-.366	.155	.080	-1.082
150	101	-.288	.114	.094	-.770
150	110	-.249	.103	.111	-.599
150	112	-.318	.107	.022	-.700
150	117	-.266	.101	.033	-.604
150	118	-.287	.100	.051	-.645
150	126	-.294	.099	.013	-.632
150	127	-.365	.104	-.050	-.738
150	133	-.358	.099	-.051	-.672
150	134	-.362	.099	-.050	-.662
150	142	-.344	.098	-.052	-.657
150	201	-.355	.121	.072	-1.003
150	208	-.290	.114	.058	-.793
150	209	-.312	.102	.055	-.751
150	217	-.284	.094	.047	-.595
150	224	-.373	.104	.063	-.832
150	225	-.329	.098	.028	-.667
150	231	-.329	.108	-.020	-.709
150	232	-.311	.107	-.000	-.684
150	233	-.446	.108	-.101	-.844
150	248	-.371	.107	-.053	-.759
150	252	-.353	.099	-.040	-.744
150	302	-.323	.124	.049	-.883
150	303	-.416	.134	-.058	-1.169
150	305	-.306	.108	.027	-.737
150	308	-.315	.120	-.013	-1.394
150	309	-.292	.118	.010	-1.192
150	312	-.379	.114	-.035	-.864
150	315	-.368	.112	-.029	-1.042
150	407	.143	.184	.714	-.561
150	412	.270	.132	.647	-.128
150	416	.268	.197	.753	-.463
150	432	.086	.169	.700	-.470
150	436	.022	.092	.344	-.290
150	439	.015	.161	.615	-.491
150	501	.175	.151	.823	-.279
150	502	.215	.142	.802	-.210
150	507	.023	.119	.487	-.484
150	508	-.048	.109	.340	-.488
150	509	.407	.173	1.023	-.218
150	516	-.053	.107	.294	-.460
150	517	.336	.168	.872	-.206
150	524	-.045	.108	.394	-.412
150	525	.215	.164	.784	-.347
150	528	.434	.158	1.036	-.052
150	532	-.093	.100	.252	-.457
150	533	.152	.142	.642	-.358
150	538	.147	.123	.665	-.313
150	540	-.139	.100	.274	-.510
150	541	.033	.111	.607	-.326
150	548	-.195	.096	.190	-.556
150	601	-.342	.104	.024	-.750
150	603	-.304	.106	.051	-1.165
150	604	-.269	.098	.041	-.569
150	605	-.259	.094	.039	-.547
150	607	-.326	.099	.017	-.619
150	608	-.284	.094	.019	-.560
150	609	-.285	.103	.059	-1.346
150	610	-.272	.097	.098	-.631
150	611	-.356	.102	.035	-.727
150	612	-.306	.098	.059	-.864
150	613	-.348	.100	.055	-.695
150	616	-.340	.101	.079	-.730
150	912	-.415	.142	-.036	-.990
150	915	-.338	.145	.104	-.975
160	101	-.287	.112	.077	-.739
160	110	-.247	.101	.039	-.602
160	112	-.320	.107	-.003	-.717
160	117	-.269	.098	.020	-.506
160	118	-.264	.097	.030	-.609
160	126	-.266	.096	.032	-.584
160	127	-.340	.101	-.029	-.696
160	133	-.332	.094	.015	-.678
160	134	-.343	.100	-.061	-.720
160	142	-.337	.098	-.025	-.776
160	201	-.346	.128	.073	-.916
160	208	-.278	.112	.132	-.722
160	209	-.299	.116	.071	-.758
160	217	-.281	.107	.055	-.722
160	224	-.355	.114	.013	-.873
160	225	-.326	.105	.039	-.759
160	231	-.318	.106	.018	-.923
160	232	-.301	.107	.036	-.927
160	233	-.415	.110	-.069	-.800
160	248	-.359	.106	.012	-.775
160	252	-.376	.104	-.042	-.790
160	302	-.303	.132	.143	-.804
160	303	-.635	.210	-.065	-1.761
160	305	-.420	.169	.067	-1.238
160	308	-.412	.179	.074	-1.324
160	309	-.429	.200	-.018	-1.311
160	312	-.472	.188	.043	-1.380
160	315	-.389	.137	-.045	-1.292
160	407	.301	.158	.800	-.294
160	412	.387	.145	.865	-.154
160	416	.451	.178	.938	-.145
160	432	.232	.160	.731	-.368
160	436	.054	.093	.398	-.270
160	439	.140	.139	.667	-.419
160	501	.212	.148	.709	-.306
160	502	.226	.136	.723	-.209
160	507	-.034	.118	.385	-.441
160	508	-.093	.107	.264	-.484
160	509	.445	.178	1.062	-.199
160	516	-.110	.105	.273	-.428
160	517	.415	.181	.971	-.106
160	524	-.093	.102	.296	-.446
160	525	.275	.169	.783	-.226
160	528	.381	.152	.838	-.068
160	532	-.126	.094	.191	-.483
160	533	.250	.137	.756	-.245
160	538	.113	.119	.637	-.285
160	540	-.181	.101	.174	-.547
160	541	.111	.126	.677	-.280
160	548	-.236	.099	.115	-.590
160	601	-.328	.111	.042	-.714
160	603	-.288	.112	.127	-1.076
160	604	-.247	.094	.039	-.592
160	605	-.237	.090	.033	-.548
160	607	-.303	.097	.027	-.635
160	608	-.258	.092	.059	-.570
160	609	-.267	.097	.089	-.573
160	610	-.257	.098	.144	-.615
160	611	-.338	.102	.083	-.698
160	612	-.289	.098	.100	-.624
160	613	-.338	.097	.051	-.674
160	616	-.304	.098	.058	-.672
160	912	-.416	.151	.023	-1.948
160	915	-.315	.152	.182	-1.006
170	101	-.266	.111	.052	-.736
170	110	-.229	.096	.053	-.570
170	112	-.301	.101	.006	-.696
170	117	-.249	.095	.031	-.653

APPENDIX A -- PRESSURE DATA: CONFIGURATION C: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	118	-.249	.094	.076	-.377
170	126	-.244	.094	.058	-.599
170	127	-.317	.099	.004	-.704
170	133	-.302	.097	.025	-.605
170	134	-.310	.101	.013	-.737
170	142	-.319	.103	.004	-.788
170	201	-.358	.147	.098	-1.154
170	208	-.262	.105	.124	-.696
170	209	-.320	.115	.048	-.798
170	217	-.304	.107	.116	-.665
170	224	-.330	.113	.101	-.923
170	225	-.345	.119	-.020	-.799
170	231	-.301	.109	.066	-1.057
170	232	-.283	.112	.066	-1.050
170	233	-.433	.119	-.044	-.897
170	248	-.359	.113	-.020	-1.059
170	252	-.365	.119	-.010	-1.084
170	302	-.195	.149	.271	-.870
170	303	-.605	.264	.237	-1.765
170	305	-.325	.244	.414	-1.392
170	308	-.419	.263	.396	-1.300
170	309	-.534	.227	.365	-1.433
170	312	-.563	.220	.343	-1.323
170	315	-.455	.190	.407	-1.430
170	407	.322	.184	.879	-.445
170	412	.445	.190	1.083	-.140
170	416	.461	.202	1.228	-.186
170	432	.239	.166	.786	-.461
170	436	.059	.097	.488	-.268
170	439	.135	.133	.576	-.561
170	501	.160	.184	.791	-.695
170	502	.188	.152	.717	-.530
170	507	-.063	.110	.392	-.526
170	508	-.115	.103	.286	-.610
170	509	.452	.203	1.068	-.394
170	516	-.150	.099	.238	-.495
170	517	-.434	.174	.942	-.118
170	524	-.124	.094	.215	-.559
170	525	.280	.165	.797	-.220
170	528	.358	.138	.763	-.084
170	532	-.143	.098	.199	-.500
170	533	.207	.140	.717	-.208
170	538	.053	.118	.418	-.454
170	540	-.192	.102	.124	-.593
170	541	-.133	.123	.591	-.296
170	548	-.237	.098	.134	-.566
170	601	-.304	.111	.124	-.736
170	603	-.265	.113	.117	-.753
170	604	-.237	.100	.107	-.604
170	605	-.225	.096	.113	-.599

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	607	-.295	.100	.028	-.693
170	608	-.248	.095	.045	-.626
170	609	-.249	.101	.109	-.640
170	610	-.230	.098	.128	-.545
170	611	-.313	.103	.056	-.655
170	612	-.264	.098	.078	-.614
170	613	-.305	.102	.017	-.691
170	616	-.316	.102	.004	-.694
170	912	-.433	.162	.108	-1.362
170	915	-.262	.154	.332	-.860
180	101	-.232	.116	.135	-.830
180	110	-.197	.096	.149	-.572
180	112	-.267	.102	.107	-.632
180	117	-.223	.092	.073	-.519
180	118	-.231	.094	.068	-.617
180	126	-.220	.093	.072	-.645
180	127	-.294	.099	.027	-.735
180	133	-.261	.098	.051	-.691
180	134	-.276	.097	.096	-.646
180	142	-.289	.096	.024	-.670
180	201	-.374	.160	.121	-1.393
180	208	-.256	.097	.098	-.675
180	209	-.309	.118	.052	-.718
180	217	-.287	.102	.080	-.640
180	224	-.295	.095	.006	-.619
180	225	-.326	.101	-.034	-.728
180	231	-.266	.098	.104	-.611
180	232	-.244	.096	.119	-.638
180	233	-.417	.115	-.004	-.802
180	248	-.318	.099	.002	-.676
180	252	-.312	.112	.058	-.721
180	302	-.060	.133	.348	-.615
180	303	-.265	.260	.394	-1.714
180	305	-.006	.208	.499	-1.288
180	308	-.014	.182	.499	-1.011
180	309	-.194	.223	.517	-1.279
180	312	-.223	.217	.535	-1.083
180	315	-.185	.191	.531	-.912
180	407	.213	.178	.828	-.665
180	412	.498	.184	1.110	-.178
180	416	.247	.210	.880	-.562
180	432	.078	.137	.558	-.359
180	436	.142	.137	.645	-.253
180	439	.063	.114	.451	-.302
180	501	-.110	.227	.562	-1.168
180	502	.009	.179	.537	-1.011
180	507	-.088	.108	.256	-.589
180	508	-.123	.101	.239	-.547
180	509	.077	.274	.865	-.898
180	516	-.175	.096	.134	-.499

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	517	.084	.279	.998	-.873
180	524	-.159	.099	.198	-.565
180	525	-.019	.232	.724	-.809
180	528	.141	.147	.756	-.358
180	532	-.166	.097	.153	-.572
180	533	.024	.160	.674	-.850
180	538	-.036	.117	.407	-.472
180	540	-.197	.099	.204	-.582
180	541	-.022	.143	.458	-.626
180	548	-.213	.095	.113	-.547
180	601	-.273	.113	.089	-.735
180	603	-.236	.117	.148	-.695
180	604	-.213	.099	.085	-.541
180	605	-.200	.094	.098	-.504
180	607	-.274	.098	.089	-.610
180	608	-.226	.093	.067	-.546
180	609	-.233	.089	.057	-.526
180	610	-.215	.088	.103	-.584
180	611	-.298	.093	.042	-.683
180	612	-.251	.089	.081	-.610
180	613	-.257	.099	.045	-.751
180	616	-.262	.097	.037	-.602
180	912	-.365	.163	.119	-1.271
180	915	-.196	.143	.320	-.757
210	101	-.198	.121	.204	-.779
210	110	-.184	.114	.172	-.652
210	112	-.259	.118	.119	-.667
210	117	-.201	.098	.101	-.536
210	118	-.199	.099	.193	-.533
210	126	-.179	.098	.251	-.508
210	127	-.252	.103	.196	-.583
210	133	-.228	.104	.195	-.660
210	134	-.223	.104	.165	-.619
210	142	-.241	.110	.134	-.721
210	201	-.356	.186	.157	-1.248
210	208	-.322	.129	.052	-.764
210	209	-.322	.159	.152	-1.272
210	217	-.325	.153	.134	-1.342
210	224	-.308	.117	.069	-.749
210	225	-.375	.150	.062	-1.285
210	231	-.264	.122	.132	-1.781
210	232	-.241	.120	.152	-1.724
210	233	-.442	.153	-.033	-1.119
210	248	-.355	.131	.009	-.980
210	252	-.242	.115	.136	-.629
210	302	.188	.160	.729	-.397
210	303	.222	.185	.836	-.519
210	305	.413	.174	1.119	-.226
210	308	.382	.170	.995	-.168
210	309	.453	.191	1.119	-.259

APPENDIX A -- PRESSURE DATA: CONFIGURATION C: YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	312	.354	.209	1.081	-.581
210	315	.284	.188	.919	-.503
210	407	-.352	.129	.030	-.821
210	412	-.311	.138	.714	-.154
210	416	-.479	.133	-.036	-1.007
210	432	-.353	.117	.042	-.810
210	436	.214	.140	.841	-.151
210	439	-.333	.124	.087	-.800
210	501	-1.034	.293	-.350	-2.322
210	502	-.695	.211	-.066	-1.592
210	507	-.147	.107	.306	-.619
210	508	-.146	.105	.309	-.599
210	509	-.862	.208	-.189	-1.546
210	516	-.210	.105	.201	-.664
210	517	-.669	.180	-.121	-1.431
210	524	-.180	.108	.196	-.697
210	525	-.682	.175	-.162	-1.414
210	528	-.430	.196	.111	-1.369
210	532	-.189	.107	.181	-.652
210	533	-.603	.185	-.076	-1.420
210	538	-.208	.110	.143	-.670
210	540	-.211	.106	.114	-.599
210	541	-.668	.238	-.047	-1.761
210	548	-.214	.105	.127	-.593
210	601	-.241	.122	.220	-.749
210	603	-.203	.118	.189	-.734
210	604	-.186	.114	.193	-.564
210	605	-.171	.110	.137	-.557
210	607	-.239	.113	.160	-.636
210	608	-.195	.107	.165	-.608
210	609	-.204	.100	.110	-.583
210	610	-.176	.099	.178	-.590
210	611	-.250	.103	.091	-.664
210	612	-.207	.097	.136	-.549
210	613	-.204	.106	.132	-.589
210	616	-.227	.114	.114	-.699
210	912	-.209	.149	.234	-.893
210	915	-.177	.164	.407	-.784
240	101	-.228	.113	.167	-.788
240	110	-.226	.095	.061	-.593
240	112	-.281	.093	.009	-.626
240	117	-.258	.097	.050	-.656
240	118	-.239	.094	.101	-.587
240	126	-.232	.105	.127	-.642
240	127	-.301	.110	.061	-.693
240	133	-.220	.102	.080	-.598
240	134	-.222	.097	.134	-.587
240	142	-.179	.094	.150	-.520
240	201	-.249	.090	.051	-.609
240	208	-.695	.204	-.046	-1.743
240	209	-.236	.088	.090	-.554
240	217	-.231	.094	.130	-.621
240	224	-.638	.176	-.088	-1.419
240	225	-.292	.108	.038	-.720
240	231	-.552	.187	.098	-1.308
240	232	-.522	.178	.048	-1.283
240	233	-.340	.122	.045	-.814
240	248	-.496	.191	-.022	-1.405
240	252	-.215	.097	.142	-.582
240	302	.245	.155	.712	-.236
240	303	.118	.155	.573	-.441
240	305	.482	.175	1.010	-.076
240	308	.432	.173	1.094	-.055
240	309	.329	.167	.975	-.276
240	312	.284	.167	.910	-.231
240	315	.213	.161	.882	-.254
240	407	-.286	.100	.024	-.652
240	412	.068	.110	.467	-.233
240	416	-.335	.108	-.036	-.696
240	432	-.376	.111	-.025	-.803
240	436	.053	.111	.429	-.298
240	439	-.373	.111	-.029	-.826
240	501	-.425	.123	.012	-.980
240	502	-.378	.118	.053	-1.064
240	507	-.292	.165	.202	-1.157
240	508	-.278	.163	.216	-1.001
240	509	-.383	.124	-.009	-.851
240	516	-.308	.135	.078	-.860
240	517	-.360	.098	.078	-.757
240	524	-.345	.134	.037	-.957
240	525	-.525	.113	-.191	-1.007
240	528	-.459	.113	-.104	-1.037
240	532	-.301	.134	.137	-.864
240	533	-.524	.134	-.096	-1.103
240	538	-.269	.113	.122	-.886
240	540	-.221	.102	.081	-.785
240	541	-.659	.189	-.147	-1.595
240	548	-.161	.092	.168	-.514
240	601	-.273	.118	.097	-.844
240	603	-.221	.108	.147	-.753
240	604	-.235	.098	.065	-.784
240	605	-.198	.087	.076	-.574
240	607	-.309	.106	.002	-.735
240	608	-.242	.095	.063	-.633
240	609	-.242	.097	.056	-.638
240	610	-.240	.110	.117	-.645
240	611	-.290	.111	.032	-.744
240	612	-.255	.107	.085	-.768
240	613	-.211	.104	.138	-.627
240	616	-.175	.105	.149	-.696
240	912	-.114	.114	.377	-.514
240	915	-.036	.115	.372	-.558
290	101	-.285	.112	.240	-.727
290	110	-.240	.096	.081	-.712
290	112	-.209	.109	.151	-.836
290	117	-.256	.099	.077	-.719
290	118	-.229	.104	.178	-.877
290	126	-.208	.095	.110	-.653
290	127	-.253	.102	.152	-.739
290	133	-.180	.088	.155	-.560
290	134	-.177	.092	.232	-.564
290	142	-.144	.086	.241	-.420
290	201	-.366	.123	.095	-.749
290	208	.227	.173	.751	-.312
290	209	-.307	.121	.119	-.750
290	217	-.250	.118	.105	-.701
290	224	.112	.167	.732	-.445
290	225	-.280	.120	.149	-.713
290	231	.262	.164	.848	-.215
290	232	.104	.169	.711	-.429
290	233	-.298	.158	.421	-.820
290	248	-.141	.125	.263	-.636
290	252	-.038	.107	.380	-.588
290	302	-.458	.260	.105	-1.537
290	303	-.616	.163	.025	-1.535
290	305	-.812	.310	.134	-2.022
290	308	-.756	.348	.158	-2.106
290	309	-.605	.257	.205	-2.224
290	312	-.688	.266	.027	-2.269
290	315	-.680	.230	-.092	-1.868
290	407	-.354	.171	.102	-1.243
290	412	-.535	.194	.126	-1.679
290	416	-.430	.192	.195	-1.454
290	432	-.459	.199	.127	-1.542
290	436	-.543	.198	.216	-1.521
290	439	-.431	.156	.145	-1.412
290	501	-.420	.164	.094	-1.504
290	502	-.360	.151	.123	-1.247
290	507	-.259	.114	.139	-.747
290	508	-.247	.112	.142	-.740
290	509	-.393	.154	.082	-1.563
290	516	-.281	.100	.035	-.664
290	517	-.386	.171	.130	-1.083
290	524	-.244	.099	.142	-.661
290	525	-.472	.170	.038	-1.223
290	528	-.343	.124	.042	-.870
290	532	-.253	.105	.112	-.745
290	533	-.454	.167	-.021	-1.426
290	538	-.282	.103	.067	-.726
290	540	-.236	.096	.115	-.615

APPENDIX A -- PRESSURE DATA: CONFIGURATION C; YORKTOWN TOWER II, HOUSTON

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	541	-.485	.143	.005	-1.088
290	548	-.197	.086	.164	-.516
290	601	-.339	.125	.231	-.782
290	603	-.298	.113	.077	-.750
290	604	-.298	.109	.082	-.778
290	605	-.275	.103	.076	-.683
290	607	-.350	.120	-.001	-1.045
290	608	-.299	.113	.045	-.812
290	609	-.286	.110	.065	-.878
290	610	-.252	.106	.095	-.752
290	611	-.310	.108	.033	-.759
290	612	-.266	.104	.066	-.650
290	613	-.246	.097	.107	-.633
290	616	-.216	.091	.071	-.633
290	912	-.366	.214	.414	-1.347
290	915	-.671	.211	-.087	-1.580
300	101	-.355	.119	.075	-.893
300	110	-.296	.100	.073	-.617
300	112	-.123	.100	.271	-.482
300	117	-.286	.096	.046	-.707
300	118	-.250	.098	.047	-.625
300	126	-.278	.098	.010	-.630
300	127	-.238	.098	.070	-.584
300	133	-.230	.097	.082	-.701
300	134	-.216	.100	.082	-.600
300	142	-.218	.095	.064	-.594
300	201	-.215	.140	.339	-.882
300	208	-.179	.182	.848	-.478
300	209	-.143	.160	.408	-.692
300	217	-.107	.149	.440	-.622
300	224	-.091	.165	.653	-.673
300	225	-.125	.153	.389	-.662
300	231	-.221	.142	.756	-.314
300	232	-.043	.139	.534	-.452
300	233	-.143	.157	.425	-.651
300	248	-.143	.134	.387	-.731
300	252	-.004	.137	.468	-.549
300	302	-.628	.210	.081	-1.565
300	303	-.568	.197	.096	-1.473
300	305	-.598	.233	-.054	-1.857
300	308	-.571	.219	.052	-2.350
300	309	-.573	.212	-.075	-1.851
300	312	-.623	.219	-.070	-2.617
300	315	-.681	.212	-.157	-2.404
300	407	-.497	.220	.252	-1.482
300	412	-.502	.172	.042	-1.328
300	416	-.517	.207	.064	-1.713
300	432	-.590	.206	.038	-1.584
300	436	-.635	.203	-.067	-1.758
300	439	-.567	.175	-.064	-1.306
300	501	-.466	.181	.034	-1.500
300	502	-.449	.170	.052	-1.218
300	507	-.343	.132	.200	-.794
300	508	-.345	.130	.197	-.798
300	509	-.481	.160	.002	-1.109
300	516	-.347	.110	.078	-.763
300	517	-.542	.164	-.081	-1.138
300	524	-.359	.107	-.017	-.769
300	525	-.591	.170	-.021	-1.203
300	528	-.436	.120	-.060	-.909
300	532	-.330	.104	.015	-.781
300	533	-.563	.156	-.050	-1.241
300	538	-.318	.105	.017	-.685
300	540	-.320	.104	.055	-.723
300	541	-.533	.160	-.099	-1.152
300	548	-.301	.103	.078	-.685
300	601	-.391	.141	.113	-1.147
300	603	-.391	.128	.044	-.845
300	604	-.356	.114	.004	-.793
300	605	-.349	.109	.004	-.737
300	607	-.357	.110	.018	-1.048
300	608	-.344	.105	.015	-.949
300	609	-.342	.112	.024	-.739
300	610	-.341	.121	.039	-.908
300	611	-.329	.113	-.002	-.808
300	612	-.322	.112	.038	-.813
300	613	-.315	.113	.005	-.928
300	616	-.300	.107	.019	-.769
300	912	-.440	.221	.332	-1.714
300	915	-.631	.227	-.105	-2.237
310	101	-.358	.122	.027	-.847
310	110	-.280	.110	.121	-.710
310	112	-.050	.115	.373	-.416
310	117	-.258	.104	.093	-.651
310	118	-.198	.106	.141	-.603
310	126	-.255	.100	.114	-.626
310	127	-.198	.104	.148	-.549
310	133	-.219	.100	.145	-.586
310	134	-.182	.100	.143	-.488
310	142	-.211	.095	.181	-.516
310	201	-.028	.169	.650	-.535
310	208	.069	.168	.747	-.566
310	209	.065	.169	.624	-.570
310	217	.085	.162	.660	-.406
310	224	.011	.147	.512	-.427
310	225	.054	.170	.716	-.497
310	231	.168	.132	.650	-.240
310	232	-.004	.121	.418	-.390
310	233	.000	.159	.499	-.637
310	248	-.157	.118	.263	-.592
310	252	.106	.123	.606	-.297
310	302	-.473	.129	-.012	-.929
310	303	-.492	.146	-.001	-1.116
310	305	-.436	.119	.008	-.843
310	308	-.449	.116	-.080	-1.408
310	309	-.467	.133	-.072	-2.226
310	312	-.527	.141	-.037	-2.375
310	315	-.580	.151	-.124	-1.837
310	407	-.496	.146	-.074	-1.385
310	412	-.451	.109	-.131	-.844
310	416	-.504	.129	-.106	-1.067
310	432	-.589	.141	-.117	-1.124
310	436	-.555	.134	-.052	-1.105
310	439	-.560	.140	-.062	-1.395
310	501	-.476	.124	-.064	-1.059
310	502	-.459	.121	-.051	-1.017
310	507	-.403	.130	.027	-1.279
310	508	-.405	.132	.018	-1.452
310	509	-.506	.119	-.172	-.995
310	516	-.383	.105	-.009	-.848
310	517	-.514	.122	-.111	-.952
310	524	-.369	.110	-.003	-.764
310	525	-.579	.134	-.102	-1.024
310	528	-.410	.105	-.020	-.821
310	532	-.337	.102	.027	-.828
310	533	-.556	.136	-.149	-1.116
310	538	-.338	.105	.078	-.722
310	540	-.345	.102	.036	-.695
310	541	-.578	.149	-.120	-1.235
310	548	-.348	.099	.010	-.715
310	601	-.458	.146	.000	-1.460
310	603	-.452	.136	-.036	-1.102
310	604	-.379	.114	.044	-.780
310	605	-.370	.109	.052	-.755
310	607	-.381	.108	-.033	-.823
310	608	-.356	.105	-.024	-.784
310	609	-.355	.110	-.013	-.821
310	610	-.360	.110	-.016	-1.066
310	611	-.357	.105	-.037	-.850
310	612	-.340	.103	-.008	-.785
310	613	-.353	.103	-.065	-.717
310	616	-.349	.104	-.029	-.769
310	912	-.534	.217	.242	-1.522
310	915	-.540	.152	-.127	-1.692